

Voo Doo Gets \$1200 From Finance Board To Reduce Large Debt

The Activities Development Board recently approved a transfer of funds from the invested reserve to the Finance Board general account for Voo Doo.

Voo Doo will be given an outright grant of \$1200 and a \$600 loan due February 1, 1962, at an annual rate of 4½%.

Under the conditions of this grant, \$4500 is to be paid immediately by Voo Doo to its printer. This is to include payments already made on the balance during the summer and in the fall. It does not include the payment for the latest issue, which is supposed to be paid from current revenue.

A balance sheet for each issue is to be submitted to the Finance Board, as required by Finance Board bylaws. A review of the entire operation of the magazine will be carried out on or about February 1, 1962, when the loan falls due.

The Activities Development Board expects Voo Doo to show ample evidence that its entire debt will be eliminated by June 1962.

It was also suggested that a faculty advisory board be appointed to assist Voo Doo with its problems.

10% Rise Noted

Institute Income Up Last Year

By Jason Fane '63

The MIT Treasurer's report for 1960-1961 showed an increase in Institute income of roughly ten percent over the 1959-60 level.

Income from tuition covered only 75% of direct academic expenses, the balance coming from gifts, investments, and other sources. Academic expenses do not include general, administration, plant operations or student housing.

During the year financing arrangements were concluded with the Federal Housing and Home Finance Agency to provide \$400,000 towards the construction of the Burton-Conner Dining Room, with the remainder of \$335,000 coming from the Alumni Fund. In addition the Institute contracted a \$3 million loan from the FH&HF Agency for a married students' apartment building. This will be located at Westgate, just beyond Burton House.

Further commitments of Institute invested funds were made in the Technology Square development north of campus. An agreement was entered into with the Defense Department to insure part of the construction cost of a Center of Materials Science and Engineering. MIT also provided the site and building to be used for the National Magnet Laboratory being constructed under an Air Force contract.

The Report showed that the total value of Institute land buildings, and equipment stood at just under \$50 million at the close of the 1961 fiscal year on June 30. Total assets stood at \$193½ million.

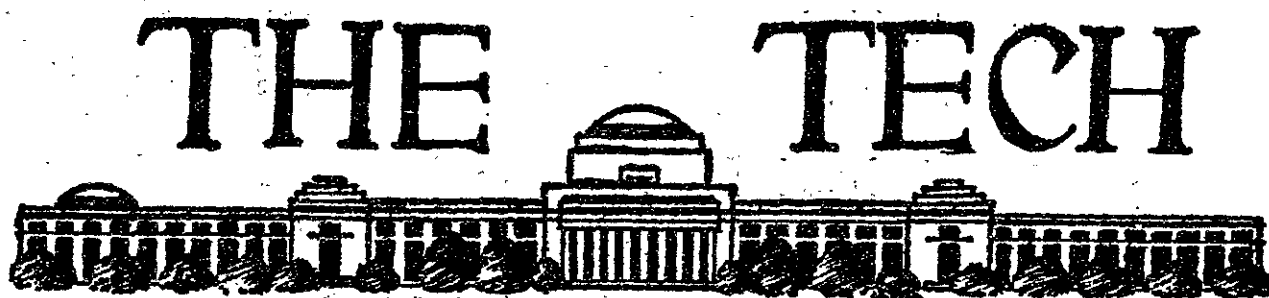
In addition to \$28 million of (Please turn to page 10)

Army Has Commissions For Trained Persons

College graduates with degrees in engineering, education, or in 140 other technical specialties ranging from pure science to administration, may apply for a direct appointment in the Regular Army if they meet eligibility requirements, according to a recent Department of the Army announcement.

Regular Army commissions are open to all qualified persons under this program. An individual who is not presently a member of the Army, if appointed in the Regular Army under the provisions of the program, will attend a special course of training in basic military fundamentals at one of the combat arms schools.

After completion of this training, the individual will attend the basic course of the branch in which appointed or detailed.



Established At MIT In 1881

Vol. 81, No. 24

Cambridge, Mass., Wednesday, November 1, 1961

5 Cents

Formal Dance Friday Evening Starts Junior Prom Festivities

Joan Baez And Ray Charles Follow Saturday After Field Day Events

Harry Marshard's orchestra provides the music for Friday night's formal ball at the Statler Hilton, Nov. 3. Marshard, after his big success at last year's centennial, was the unanimous choice of the JP committee.

All classes will be cancelled on Saturday, with the traditional Freshman-Shopmore Field Day being fought on the freshman soccer field. The MIT-

Army Game should give spectators an exciting afternoon.

Joan Baez's folk song concert Saturday afternoon and Ray Charles' music in the evening at the Armory complete the official prom activities.

Field Day, November 4, will last from 10:00 a.m. until 12, and will be held on the freshman soccer field. There will be four events, a chariot race starting at 10, two tugs o' war, starting at 10:30, X event, at 11, and the traditional glove fight, commencing at 11:30 and ending at 11:45.

The chariot race this year will be between two actual chariots, complete with rubber wheels. They will be manned by four men and a coed, and will be pulled by eight men each. Each chariot will be equipped with a mechanical water bomb launcher, and may bombard the other during the race. The race will be held on the track. Out of a possible 30 points, 15 will be awarded to the winner, 10 for the best chariot and water balloon launcher, and 5 for the sharpest dressed coed.

The two tugs o' war will both be unlimited—for the men and—for the coeds. The winner of men's will get 10 points, and the winner of the coeds' tug will get at least 5 points if they have at least 8 coeds. One-half point will be awarded for every additional coed on the winning team.

The glove fight will be supervised by "marshalls", who have the authority to penalize a team for any violation of the rules. Wearing something over your clothes (like barbed wire) is such a violation.

The team that captures the greatest number of gloves from the other side will receive 35 points, and win the glove fight.

X event, the mystery event is still being kept a secret. Winners will rack up 25 points.

'64 JP Elections Set, 21 Sophs Nominated

Elections will be held for the members of the Junior Prom Committee of the Class of 1964 on Tuesday, November 7. Voting will take place in the lobby of Building 10, and in Building 2 from 8:45 a.m. to 5:15 p.m. Twenty-one members of the Class of '64 were nominated:

Julian R. Adams
James E. Allen
Pete Cooperberg
Bruce E. Crocker
Jack P. Downie
Gregory F. Doyle
Charles Elias
Robert Gray
Herbert G. Hermann
Leon-Michael Kaatz
James A. Monk
Mark Ordower
Michael N. Parker
Stephen F. Richards
Michael Robson
Michael W. Rubin
Kim C. M. Sloat
Martin H. Stieglitz
Bruce P. Strauss
Dave Sullivan
Samuel J. Taub

Five nominees will be chosen by Tuesday's ballot to serve with the class officers in planning next year's JP.

Frosh Raise Banner, Defy Sophomores At Briggs Field 'Riot'

A group of about fifty Freshman held a pre-Field Day demonstration on Briggs Field last Sunday which lasted from about 10:30 p.m. to 11:30 p.m.

The exhibition was to raise the Freshman pennant on one of the light towers in defiance of the Sophomore class.

Amid shouting of insults at the Sophomores including "We want Sophomores" and "Sophomores Date coeds," the pennant was successfully raised. But shortly afterwards, a group of sophomores captured slightly more than half of the pennant.

APD Phone Books In Expanded Format Will Be Out Saturday

Alpha Phi Omega has announced it is publishing a telephone directory again this year, as is its custom. It has been expanded to include the names, addresses, and telephone numbers of the entire student body, both graduates and undergraduates, a total of approximately 6400 individuals.

The 68-page directory also contains a list of over 150 telephone numbers of girls' schools and dormitories, the phone numbers of activities offices, and the numbers of frequently used Institute extensions. A map of the Institute and an index of MIT living groups have been incorporated into the phone book.

The inclusion of the Institute room numbers and extensions of most of the graduate students and the latest information on the new Burton Line Phone System is another new feature.

There is no charge for this directory. Arrangements have been made to distribute the directory to the dormitories and fraternities during the weekend of November 4. To facilitate distribution to graduate and non-resident students, a booth will be set up in the lobby of Building 10 from Monday, November 6 to Friday, November 10.

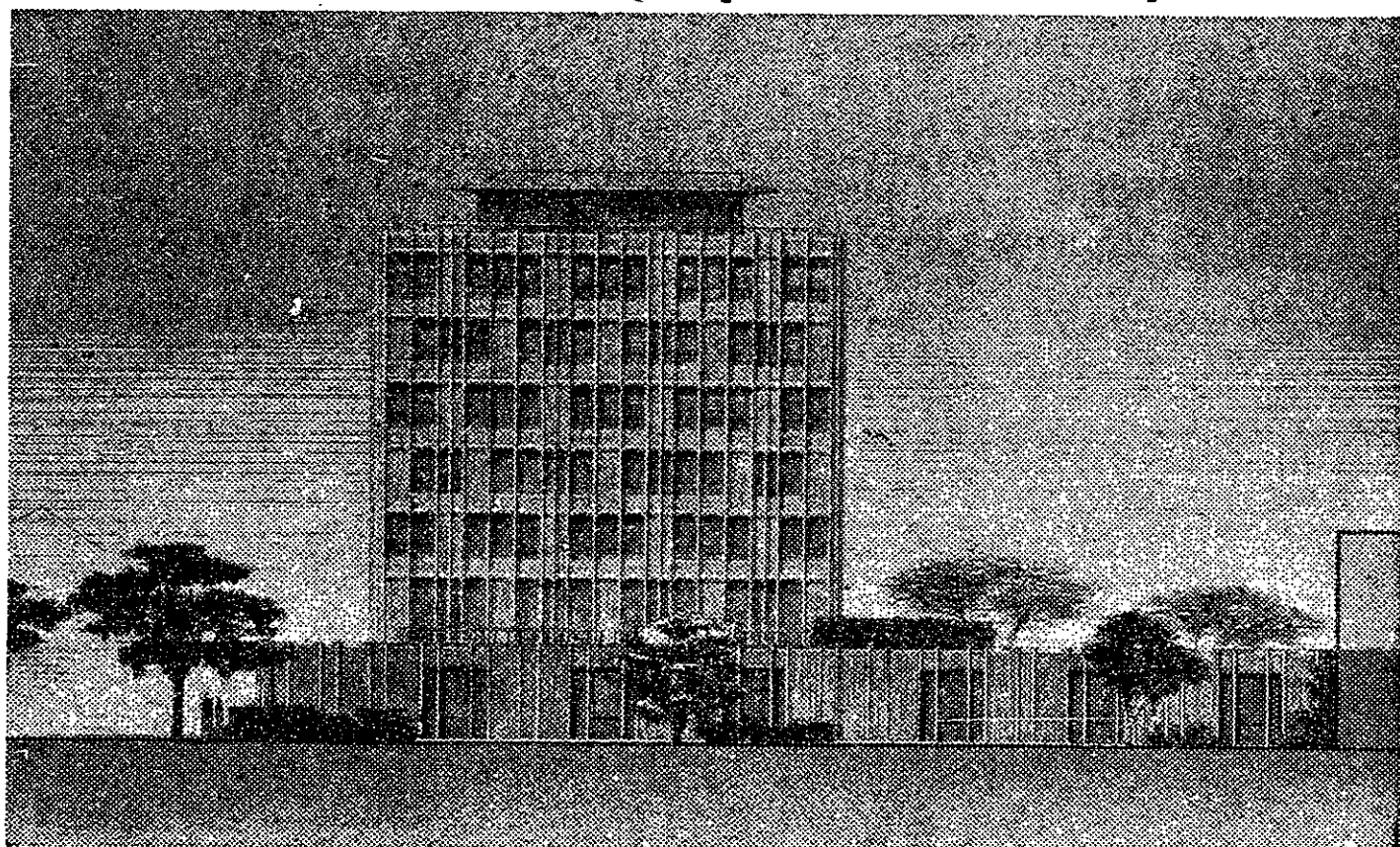
Group Selected To Investigate Campus Shelters

A committee of faculty and administration members co-chaired by MIT Vice President James McCormick and Vice Treasurer Philip Stoddard has been appointed by President Stratton to investigate the question of fallout shelters on campus. Within the next few months the committee will determine the practicability of designating certain areas of existing buildings as shelter areas.

The McCormick-Stoddard Committee will also determine the feasibility of having certain areas of new campus construction built to fallout shelter standards. There are no plans for the construction of blast shelters.

According to MIT Vice President Malcolm Kispert, "MIT feels an obligation to protect its personnel." This is in line with the urgings of national leaders, including President Kennedy. Harvard University is also in the process of trying to formulate a policy with regard to shelters.

Women's Dormitory Plans Completed



Above is an architect's drawing of the soon-to-be-constructed Women's Dormitory. The building, to be built on Memorial Drive between Graduate House and Baker House, was made possible by a \$1,500,000 anonymous gift.

College World

Salaries Go Up, Skin-Divers Down; Seismograph To Detect Explosions

According to Western Reserve University's Reserve Tribune, the WRU faculty has been put on a new salary schedule. This is a merit pay plan. At the end of each year, fifteen faculty members who have "displayed demonstrated excellence in their work" will get a pay increase of about \$2,300 a year. In addition, the administration will establish twelve new chairs for distinguished professors. Five of them will pay \$15,000 per year, and the other seven will pay \$12,000. The new salary plan is just one part of a ten-year plan for which Western Reserve University is trying to raise over \$7,500,000.

Network to Detect Explosions

The United States Coast and Geodetic Survey is trying to establish a network of 125 standardized seismographic stations throughout the world in an attempt to record all the shifts taking place in the earth's structure. This network is considered essential to the country's defense as a detector of underground nuclear explosions. The seismometers at each station will have the ability to magnify each minute movement within the earth's crust up to 400,000 times. Work on the project was begun this summer and five stations in the United States are due for completion within a year.

Today marks the scheduled opening of the seismograph station at the Colorado School of Mines. The station, built at an elevation of 8,000 feet, covers an area of 40 acres. It was constructed at a cost of \$75,000.

Mines' board of trustees has voted to name the station the Cecil H. Green Geophysical Observatory, in honor of the long-time donor of funds for various Mines' projects. Dr. Green, MIT '23, is better known here as the contributor of \$6,000,000 for the new Earth Science building.

New Underwater Mark Set

Those of you who are skin-divers and like to stay underwater for long periods of time will now have to really work to set a record. The latest record for continuous submergence was set last month—147 hours and 17 minutes (over six days). The record was set in Long Island Sound by a premed student under the auspices of the North Shore Academy of Diving Sciences and Research. The Phoenix (Queens College, NY) reports that the recordholder is a former Queens student who was majoring in nursing science.

Trying to get the reaction of school officials to this feat, The Phoenix interviewed a spokesman for the nursing science department. Rather unexpectedly the interviewing reporter was food lines. Sound familiar? It dropped by the department, "he didn't distinguish himself here", "his behavior was eccentric", and "we are happy he is gone." Also the newspaper was urged not to do anything that would get him back.

Dr. Draper To Speak

Boston University is holding its third annual Bell Lecture Series on Saturday, November 11. The guest speaker this year will be Dr. Charles S. Draper, head of Course XVI. The theme

of the lecture series is "Man's Communication to Man." The lecture will be given at 11 o'clock in BU's Alumni Hall. The series is very popular and seats go fast, so if you are planning to go be there early.

Dining Hall Dilemmas

It would seem that MIT students aren't the only ones with meal line problems. The Notre Dame Scholastic recently complained about the congestion caused by having the silverware and napkins at the end of the food lines. Sound familiar? It used to be that the utensils were at the front of the lines; no one seems to know why they were moved.

Another mystery in the Notre Dame dining hall is the appearance of a new man whose duty is to take two glasses from the rack by the milk machine and place them on top of the machine, so that the next man in line can pick them up. Suggests the Scholastic: if he's going to handle the glasses, why can't he fill them up with milk?

Pistol And Rifle Club Granted Class B Status

The Pistol and Rifle Club was granted a provisional class B status in last Wednesday's meeting of the Activities Council. This status was awarded on the provisions that the club carry full insurance on its members, on the club, and on the club's use of the MIT Gun Range, and that waivers be signed by adult members or parents of members under 21.

CALIFORNIA

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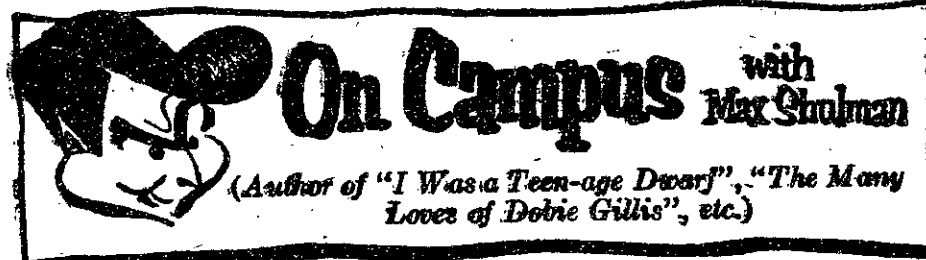
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J. P. COMM.

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Week-end positions available for skiers to instruct high school boys and girls. Prior instruction experience not required. Good compensation. Excellent ski facilities. Write or call:

Shaker Village Ski Group, P.O. Box 1149, Pittsfield, Massachusetts. Lebanon Springs (N.Y.) 7-1255.



HUSBANDS, ANYONE?

It has been alleged that coeds go to college for the sole purpose of finding husbands. This is, of course, an infamous canard, and I give fair warning that, small and spongy as I am, anybody who says such a dastardly thing when I am around had better be prepared for a sound thrashing!

Girls go to college for precisely the same reasons as men do: to broaden their horizons, to lengthen their vistas, to drink at the fount of wisdom. But, if, by pure chance, while a girl is engaged in these meritorious pursuits, a likely looking husband should pop into view, why, what's wrong with that? Eh? What's wrong with that?

The question now arises, what should a girl look for in a husband. A great deal has been written on this subject. Some say character is most important, some say background, some say appearance, some say education. All are wrong.

The most important thing—bar none—in a husband is health. Though he be handsome as Apollo and rich as Midas, what good is he if he just lays around all day accumulating bedsores?

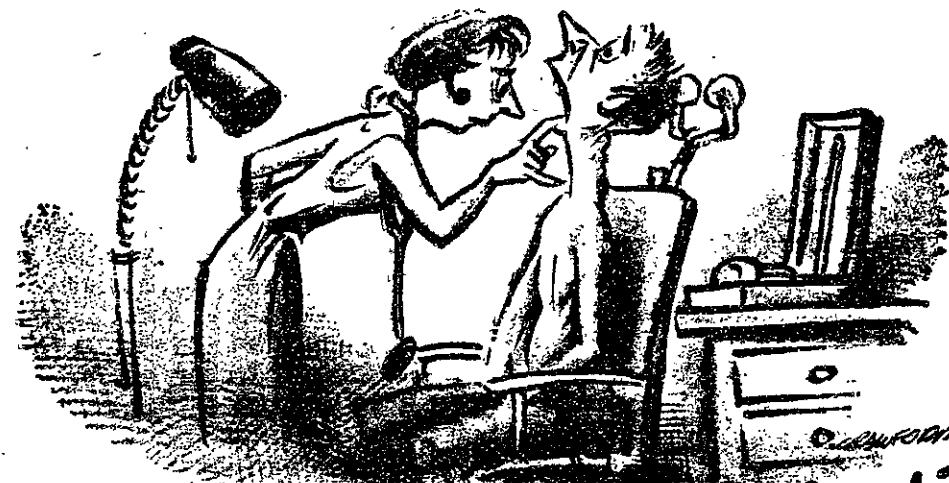
The very first thing to do upon meeting a man is to make sure he is sound of wind and limb. Before he has a chance to sweet-talk you, slap a thermometer in his mouth, roll back his eyelids, yank out his tongue, rap his patella, palpate his thorax, ask him to straighten out a horseshoe with his teeth. If he fails these simple tests, phone for an ambulance and go on to the next prospect.

If, however, he turns out to be physically fit, proceed to the second most important requirement in a husband. I refer to a sense of humor.

A man who can't take a joke is a man to be avoided. There are several simple tests to find out whether your prospect can take a joke or not. You can, for example, slash his tires. Or burn his "Mad" comics. Or steal his switchblade. Or turn loose his pet raccoon. Or shave his head.

After each of these good-natured pranks, laugh gaily and shout "April Fool! If he replies, "But this is February nineteenth," or something equally churlish, cross him off your list and give thanks you found out in time.

But if he laughs silverly and calls you "Little Minx?" put him to the next test. Find out whether he is kindly.



The quickest way to ascertain his kindness is, of course, to look at the cigarette he smokes. Is it mild? Is it elegant? Is it humane? Does it minister tenderly to the psyche? Does it coddle the synapses? Is it a good companion? Is it genial? Is it bright and friendly and filtered and full of dulcet pleasure from cockerow till the heart of darkness?

Is it, in short, Marlboro?

If Marlboro it be, then clasp the man to your bosom with hoops of steel, for you may be sure that he is kindly as a summer breeze, kindly as a mother's kiss, kindly to his very marrow.

And now, having found a man who is kindly and healthy and blessed with a sense of humor, the only thing that remains is to make sure he will always earn a handsome living. That, fortunately, is easy. Just enroll him in engineering.

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THE TECHNOLOGY COOP

Now Have

HEX-CUBE KIT FOR BUILDING MODELS OF THREE COMMON CRYSTAL STRUCTURES

The Hex-Cube Kit*, manufactured by Therodyne Corporation, Cambridge, Massachusetts, is designed to provide — at low cost to the student — all materials and simple instructions for building a visually appealing teaching aid which illustrates grammatically the differences and similarities between basic crystal structures. These are the body-centered-cubic, the face-centered-cubic and hexagonal close-packed crystal structures.

Instructions are included which permit the student to build a body-centered-cubic unit cell and four close-packed planes of 1/2 inch diameter precision finished lucite spheres. When the four planes are placed on top of one another in a cubic stacking sequence, ruby spheres, on one end of the model delineate a face-centered-cubic unit cell. When the stacking of the planes is shifted to an hexagonal sequence, amethyst spheres on the other end of the model represent an hexagonal close-packed unit cell. The two groups of colored spheres are separated by clear spheres to eliminate any confusion in visualizing the two different unit cells.

Since at least one of the close-packed planes is free to move over another, the model also offers a convenient demonstration of crystallographic slip, stacking faults and partial dislocations in close-packed crystals.

2.50 ea.

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Joining Marlboro in bringing you this column throughout the school year is another fine product from the same makers—the king-size, unfiltered Philip Morris Commander. Here is pure, clean smoking pleasure. Try a pack. You'll be welcome aboard!

Calendar of Events

Placement Interviews

THE TECH WEDNESDAY, NOV. 1, 1961

Page 3

Open to the public.

WEDNESDAY, NOV. 1

Operations Research Center.*
Seminar: "Dynamic Inventory Systems." Dr. Eliezer Naddor, Johns Hopkins University, Baltimore, Maryland.
Room 1-146, 2:00 p.m.
I.T. Chemical Society.
Meeting. Speaker: Professor John Buchanan, M.I.T. "Biochemistry."
Spofford Room, 1-236, 5:00 p.m.
Seminar Sponsored By The Protestant Ministry.*
Seminar in New Testament Greek. Dr. Goethius, Episcopal Theological School.
317 Memorial Drive, 7:30 p.m.
I.T. Hillel Society.
Morris Burg Memorial Lecture.*
Challenges to the Scholar: A Jewish View." Dr. Nahum Glatzer, Head of Judaic Studies, Brandeis University.
Kresge Auditorium, 8:00 p.m.
I.T. Hillel Society.
Israeli Dancing. Admission 50c.
Walker Memorial, Room 201, 9:30 p.m.

THURSDAY, NOV. 2

Sunday Organ Recital.*
John Matfield, M.I.T. Organist.
Kresge Auditorium, 12:15 p.m.
Department of Nuclear Engineering.
Measurement of Spatial and Energy Distribution of Thermal Neutrons in D₂O-U Lattices." P. S. Town. "Electron, Ion and Atom Scission From Film Coated Metal Surfaces in a Thermionic Energy Converter." J. D. Levin. "Material Backing Measurements in U-D₂O Lattices." P. F. Palmedo.
Building NW-12, 138 Albany St., 4:00 p.m.
Department of Aeronautics and Astronautics.*
Fluid Mechanics Seminar: "Sound Propagation in Rarefied Gases." Professor S. S. Abarbanel. Coffee in the duPont Room (33-207) at 3:30 p.m.
Room 33-319, 4:00 p.m.
Department of Physics.*
Colloquium: "Energy Loss by a Fast Ion in a Plasma." Dr. S. T. Møller, University of Sydney, Sydney, Australia. Tea in the John Koller Room (26-414) at 3:30 p.m.
Room 26-100, 4:00 p.m.
Department of Mathematics.
Brandeis-Harvard-M.I.T. Mathematics Colloquium.*
Lectures on Fields on Spheres." Dr. J. Adams, School of Mathematics, Institute of Advanced Study, Princeton, New Jersey. Tea in the 66 Graduate Lounge at 4:00 p.m.
66 Graduate Center, Brandeis University, 4:30 p.m.
Seminar Sponsored By The Protestant Ministry.*
Temporary drama seminar. Mr. W. J. 317 Memorial Drive, 5:00 p.m.
Department of Military Science.*
World War II film series: "The A.F. Fights Back," "The Tide Runs" and "North Africa." Admission free.
Vannevar Bush Room, 10-105, 5:00 p.m.
Water Polo Club.*
Meeting. Alumni Pool, 6:30 p.m.
Seminar Sponsored By The Protestant Ministry.*
Seminar on New Patterns in Family Life. Mr. Holtzapfel.
317 Memorial Drive, 7:30 p.m.
Department of Chemistry.
Harvard-M.I.T. Physical Chemistry Colloquium.*
Optical Properties of Absorbed Molecules." Professor Gustav Koenig, University of Tübingen, Tübingen, Germany.
Room MB-23, Mallinckrodt Chemical Laboratory, Harvard University, 8:00 p.m.

FRIDAY, NOV. 3

Department of Chemical Engineering.
10.991 Seminar.
Spot Formation in Laminar Flow." W. H. Dalzell.
Room 12-182, 3:00 p.m.
Diffusion of Gases in Thermally

LOWER RATES

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Characterized Polyethylene.* H. Fein.
Room 12-142, 4:00 p.m.
Department of Mechanical Engineering.
Seminar: "Balance of High-Speed Flexible Rotas." Professor J. P. Denthartog. Coffee in the Miller Room at 3:00 p.m.
Room 3-270, 3:30 p.m.
Technology Catholic Club.*
Philosophy Lecture Series: "Nature and Motion." Father William Wallace, O.P.
Room 3-133, 5:00 p.m.
Lecture Series Committee.
Classic Film Series: five Mack Sennett Keystone comedies and "Teddy at the Throttle." Admission by subscription ticket only.
Kresge Auditorium, 6:30 & 9:00 p.m.
M.I.T. Dramashop.*
An evening of new one-act plays, "The Room" by Harold Pinter and "All That Fall" by Samuel Beckett. Critique and coffee hour following the performances. Admission free.
Little Theatre, Kresge Auditorium, 8:30 p.m.

SATURDAY, NOV. 4

Lecture Series Committee.*
Entertainment film series: "Let's Make Love." Admission 30c.
Kresge Auditorium, 5:15, 7:30 & 9:45 p.m.

SUNDAY, NOV. 5

Protestant Christian Association.
Breakfast for Protestant Students. West Dining Room, Graduate House, 10:00 a.m.
Varsity Sailing.*
Scheff Trophy.
Sailing Pavilion, 10:00 a.m.

MONDAY, NOV. 6

Applied Mathematics and Mechanics Colloquium.*
"On the Motion of a Flat Plate From Rest in a Viscous Elastic Liquid." Dr. Frank M. Leslie, Department of Mathematics, M.I.T.
Tea in Room 2-290 at 3:30 p.m.
Room 2-390, 4:00 p.m.
Seminar Sponsored By The Protestant Ministry.*
Inquirers Seminar. Mr. Ihde.
Spofford Room, 1-236, 5:00 p.m.
Choral Society.
Rehearsal.
Kresge Auditorium, 7:30 p.m.
Technology Dames.
Limbering Up Exercises.
Hayden Library Lounge, 8:30 p.m.

Tuesday, Nov. 7

MIT Libraries.
An all-day meeting will be held by the American Documentation Institute. Panel discussions begin at 9:00 a.m. and 3:00 p.m.
Kresge Auditorium
Department of Chemical Engineering.
Seminar: "The Crisis in the Handling of Technical Information." W. T. Knox, Esso Research and Engineering Company.
Room 12-182, 3:00 p.m.
Computation Center.*
Seminar: "Algebra of Polynomials in Several Variables for a Digital Computer." Dr. Leland H. Williams, Duke University.
Room 20-168, 3:00 p.m.
A.I.E.E.-I.R.E., MIT Student Branch.
Lecture: "Communications Biophysics." Professor W. T. Peake, Department of Electrical Engineering, MIT.
Room 3-270, 4:00 p.m.
Department of Metallurgy.*
Colloquium: "Absorption on Solids." Dr. G. Ehrlich, General Electric Research Laboratory.
Room 6-120, 4:00 p.m.
Department of Naval Architecture and Marine Engineering.*
Seminar: "Constraints on Ship Motions Illustrated by the Aircraft Carrier—Part II." Dr. Stephen Waldron, Applied Science Division of the Operations Evaluation Group.
Coffee in Room 5-311 at 3:30 p.m.
Room 3-370, 4:00 p.m.
MIT Hillel Society.*
Study Group (Reform).
Morris Hall, Walker Memorial 5:00 p.m.
Department of Humanities.*
John Woodworth, violinist and Gregory Tucker, pianist in a program of sonatas by Debussy, Hindemith, and Piston. Admission free.
Hayden Memorial Musical Library, 5:00 p.m.
Department of Military Science.*
World War II film series: "Midway is East," "Darwing the Battle Lines" and "Two Years of War." Admission free.
Vannevar Bush Room, 10-105, 5:00 p.m.
Technology Catholic Club.*
Theology Lecture Series: "What Value Grace." Father William Sullivan, C.S.P. Discussion at 4:30 p.m.
Protestant Christian Association.*
Study Groups.
317 Memorial Drive, 5:00 & 7:30 p.m.
Room 3-133, 5:00 p.m.
United Christian Fellowship.*
Meeting: "The Christian's Sitz in Leben at MIT." Reverend Harold O. J. Brown.
Miller Room, 3-070, 6:30 p.m.
Water Polo Club.*
Meeting.
Alumni Pool, 6:30 p.m.
MIT Faculty Pistol and Rifle Club.*
Match with Melrose, team no. 1.
Rifle Range, 8:00 p.m.

Political Advertisement

For Good Government In Cambridge We Urge A No. 1 Vote For G. d'A. BELIN
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Mr. & Mrs. Alexander G. Korol
Prof. & Mrs. Max F. Millikan
Prof. & Mrs. Lloyd Rodwin

(Course numbers eligible are listed in parentheses.)

NOVEMBER 1

Beloit Iron Works (2, 6, 8, 15); Bell Aerosystems Co. (1, 2, 6, 8, 10, 16, 18); Diamond Alkali Co. (2, 5, 10, 15, 18); M. W. Kellogg Co. (1, 2, 10); P. R. Mallory & Co., Inc. (3, 5, 6, 8); Union Carbide Corp. (2); United Technology Corp. (1, 2, 5, 8, 10, 18).

NOVEMBER 2

Bell Aerosystems Co. (1, 2, 6, 8, 10, 16, 18); Diamond Alkali Co. (2, 5, 10, 15, 18); M. W. Kellogg Co. (1, 2, 10); Union Carbide Corp. (2); American Bosch Arma Corp. (6); Bendix Corp. (2, 6, 8, 16, 18); Colgate-Palmolive Co. (2, 10, 15); Norton Co. (2, 3, 5, 10, 14, 15); Pratt & Whitney Aircraft (2, 3, 6, 8, 10, 16, 22); Shell Development Co. (2, 6); Whirlpool Corp. (6, 7, 8, 10, 20).

NOVEMBER 3

Shell Development Corp. (2, 6); Consolidation Coal Co. (2, 5, 10); McDonnell Aircraft Corp. (1, 2, 3, 6, 8, 10, 15, 16, 18); Motorola, Inc. (3, 5, 6, 8, 10).

NOVEMBER 6

Bethlehem Steel Co. (All engineering); Aerojet-General Corp.

(1, 2, 3, 5, 6, 8, 10, 15, 16, 18); Aerospace Corp. (2, 5, 6, 8, 10, 16, 18); Linde Co. (2, 3, 5, 6, 10); Plax Corp. (2, 5, 6, 8, 10); United Aircraft (2, 3, 5, 6, 8, 10, 16, 18); United States Steel Corp. (All engineering, 15, 18).

NOVEMBER 7

Aerojet-General Corp. (1, 2, 3, 5, 6, 8, 10, 15, 16, 18); Aerospace Corp. (2, 5, 6, 8, 10, 16, 18); Bethlehem Steel Co. (All engineering); Hughes Aircraft Co. (2, 6, 8, 16, 18); National Carbon Co. (2, 3, 5, 6, 8, 10, 15); Philco Corp. (2, 5, 6, 8); The Rand Corp. (2, 6, 8, 15, 18); Scott Paper Co. (2, 5, 6, 10); Shawinigan Resins Corp. (2, 10); Thompson Ramo Woolridge, Inc. (2, 3, 5, 6, 8, 10, 16, 18).

NOVEMBER 8

Hughes Aircraft Co. (2, 6, 8, 16, 18); National Carbon Co. (2, 3, 5, 6, 8, 10, 15); Scott Paper Co. (2, 5, 6, 10, 15); Aluminum Co. of America (All engineering, 15); Curtis-Wright Corp. (1, 2, 3, 6, 8, 16); Aeronutronic (2, 3, 5, 6, 8, 10, 16, 18); Hamilton Standard (2, 6, 8, 15, 16); MIT Instrumentation Lab. (2, 6, 8, 16, 18); Portsmouth Naval Shipyard (2, 6, 13).

JAY MOTORS

takes pleasure in presenting the first of a series of special evenings for sports car enthusiasts. The first program of our series will include two films of recent road races in Europe. Open discussions will follow the films, and a talk on the care and maintenance of sports cars and imported compacts. Also, a factory representative from B.M.C. will be present. The program will begin at 8 p.m. on Tuesday, November 7, 1961.

These programs are designed to assist the owners of foreign cars, and those who are interested in purchasing one. The evenings events will take place at Jay Motors, located at 71 Broadway off of Kendall Square in Cambridge.

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The Tech

Vol. LXXXI No. 21 Nov. 1, 1961

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Unsigned editorials appearing in THE TECH constitute the opinion of the newspaper's Board of Directors, and not that of MIT. The newspaper welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed. Names will be withheld upon request.

Deadlines: Advertising, noon Thursday. Entertainment, Features, Letters to the Editor, Photography, Sports, noon Sunday. News, 7 p. m. Monday.

Office Hours: Monday, 2-4, 7-11; Tuesday, 11-1; Wednesday, 12-1; Thursday, 10-12; Friday, 2-5; Sunday, 1-5.

The Calender

The Institute Committee has on its agenda for tomorrow night the subject of the *Technology Student Calendar*, or as it is now known, *Preview*. The calendar has been coming out for the past year on a trial basis with the approval of the Institute Committee; its franchise is now up for renewal.

The reason the calendar needed Inscomm approval in the first place was that the editors were to be paid, unusual for an MIT activity, and no one was certain it was legitimate. The entire issue of the ethics of paid staff in competition with the regular non-profit making campus activities remains, still unresolved. The problem is rapidly becoming acute with the calendar up for renewal, and both *VooDo* and *Tech Engineering News* claiming difficulty in getting local advertising in competition with the calendar.

We would like to propose a basis for the consideration of all such money-making groups. The criterion of judgment would be whether or not they are providing a service not now available through other existing campus activities of a non-profit making type. The basis for judgment should not be economic, i.e. the competition for advertising. There is a broad base in the Boston area from which to solicit advertising, and if an activity has enough initiative to go out and get it, there should not be any complaints about competition.

The most recent previous case to the calendar was that of the Russian Dormitory showing movies for a profit in competition with the Lecture Series Committee. We went along with the Dormitory's request for permission to show the films because of their commitment of funds in the face of the lack of an Inscomm policy. In future years, a decision will have to be made as to the value of the service they are supplying. Certainly, there could be no quarrel with them if they wished to show the movies on a non-profit basis.

In the present instance, we do not feel that the Calendar is providing any service to the MIT community that does not already exist elsewhere. The Calendar this year has consisted mainly of a reprint of the Public Relations Office Calendar, surmounted with advertising solicited on the basis of free distribution proclaimed for *Preview*, plus some additional theatre notices. One wonders how many people refer to *Preview* again after the first cursory glance.

Again, if the editors of *Preview* wish to distribute it on a non-profit basis, no one should interfere. But as we doubt they will want to do this, we do not think permission to distribute at MIT should be renewed.

Nigerian Message

The cum-laude graduate from Smith meant no harm; in fact, her postcard was no less innocuous than the thousands expressing similar sentiments which Americans send home from all over the world. Yet when published it caused angry groups of Nigerian students to demand of their government the expulsion of all Peace Corps members and foreign consultants. Why not a protest directed simply at her?

The answer is that the postcard incident was a device which the student distrust of American efforts in Nigeria could be expressed. The effect of the Peace Corps as seen by many Nigerians is the injection of American values into their society, values which are unsuitable for that society.

The most powerful effects of American "intervention" on the minds and lives of the Nigerian people are the attitudes toward wealth and its acquisition which Americans bring with them. These were insidious and invidious enough when restricted to government officials who came in contact with economic, industrial, and CIA advisors. But the Peace Corps brings these ideas very close to the people.

The effect is to stimulate a desire for the commonplace wealth of Americans in a cultural situation which cannot provide it, overall. As a result, corruption in every area of economic life becomes commonplace. Those who can use their position to acquire wealth and prestige will do so, often without regard for the virtues which justify the American philosophy, such as honest production and reward for merit.

To be sure, the need for communication and understanding is great, and the Peace Corps provides a very personal solution. It also provides technical aid and instruction, and proof that Americans and America are deeply, personally, concerned. We only hope that the bad results as the Nigerians see them are transient effects of a project which is as good in reality as it is in intention.

National Review III

The very active members of the board of editors of the magazine the *National Review* (they have just helped organize the Harvard-Radcliffe Chapter of the Young Americans for Freedom) constitute the heart of a new crusade. From a base of fervent religious belief they carry the banners of war forth to do battle with Communism. To the NR writers, the Communist world represents the goddess, the Western world the god-fearing. Mr. Frank S. Meyer, a weekly columnist wrote in a recent issue, "... Communism, in actual and objective fact, does represent an absolute black, and the West as a civilization is in its essence as close to an absolute white as is possible in the subdued light which illuminates this imperfect world. Sharp and vivid extremes do exist in reality; no matter how much the Liberal and relativist mind strives to cloak the presence of glorious and desperate alternatives."

A religious fervor runs throughout the magazine; it is built upon a sincere belief in the battle exhortations of the Bible, in the sacredness of capitalism, in the atheism of communism, and in their own choice as God's legions on earth.

Along similar lines, another weekly columnist, James Burnham writes of what he believes to be two plainly demarcated opinions in the world today, the one that fears communism most, and the other that fears nuclear war the most. The one that fears communism the most he labels "Type C" and complains that manifestations of this are not very numerous in "Academic, foundation, governmental and Establishment circles" (these are all NR bugbears). It is Burnham's thesis in this article entitled "On the Horns of Our Dilemma," that the war against nuclear war and the war against communism can not be effectively fought at the same time. He puts the *National Review* and Barry Goldwater in one fight, and *Sane* and Bertrand Russel in the other.

He concludes finally, that since President Kennedy has not chosen one battle over the other, that he cannot possibly have a policy. This is Burnham's call to arms: let every man stand up and be counted. There cannot be any rational thought on how to conquer both enemies, the fight is to the end. If we take care of the Communists, God will take care of the bombs.

The dogma of the Conservative crusade gradually emerges and takes shape. To a true believer there can be no arguments, only action. The only trouble with the magazine is that its attempts at convincing an outsider, an unbeliever, fall flat for the very reason that they are conducting an emotional crusade. The *National Review* writers and editors seem to have lost sight of the fact that the way to convince someone that his beliefs are erroneous is to knock them down one at a time, piece by piece. Nowhere in the magazine does one find the opposition point of view stated and then rebutted. It is all rebuttal, and the rebuttal is aimed at very generalized targets. Most writers will mention something called the "certified Liberal" and then proceed to tear him apart, without bothering to define the subject of the drawing and quartering.

What are the ikons of the religion of conservatism as preached by the *National Review*? A glance at the classified ad column suffices to answer. Here we find one ad advertising "Goldwater in '64" bumper tags, and another advertising "Goldwater lapel tabs." Then there are two ads for British Empire stamps (the good old days?), and one ad for "Herbert Hoover Memorabilia." Elsewhere is a display ad for a complete set of the McGuffey's Readers.

(To Be Continued)

Letters:

To The Editor:

Thank you for your editorial on classroom smoking. Besides being a rather dirty habit, smoking is frequently selfish, as the smoker cannot indulge his taste without obliging those around him to breathe his smoke regardless of whether they like it or not. Furthermore, tobacco smoke unfortunately has a peculiar clinging quality, so the non smoker finds that his clothes still reek hours after having been exposed.

I do not suppose that your call for a ban on classroom smoking will be successful. At present it appears to be a matter for each instructor to decide for himself. Most of them do not say anything, and the students follow what has become "accepted social custom" at MIT and go ahead and smoke. Some instructors like to smoke during classes, themselves. Some, a courageous minority which includes Professor Mueller of the Physics Department, specifically forbid smoking, even though they themselves may be smokers.

Even though a ban on classroom smoking will probably never be successful because of its being considered an infringement of liberty, I would like to enter a plea to have part (perhaps 15%?) of each of the libraries designated a no smoking area.

John Crawford '63

To The Editor:

As the representative of *Technique* to Activities Council, I feel that it is necessary to point out several misunderstandings which appeared last week in a Letter to The Editor by Edward Dudewicz '63.

Mr. Dudewicz begins his letter by asking: "Is Activities Council... prepared to design and allot space in the (proposed) Student Union? Without pursuing this question any further in the remainder of his letter, Mr. Dudewicz concludes that Class B Activities must "organize to combat the monopoly of power in the hands of the Class A Activities (in order to) correct a situation in which Class B Activities would starve for lack of working room."

It is unfortunate that Mr. Dudewicz did not take the trouble to find out that the answer to his original question is a simple "No!" It is surprising that after attending this institution for two years Mr. Dudewicz has remained idealistic enough to believe that the activities would be included in the designing of the Student Union simply because they are the ones that will use it. This would conflict with a chance to have on campus another architectural "miracle" such as Kresge Auditorium, or the "pillarless" Earth Sciences Building.

As of this date, the Chairman of Activities Council is a member of the ADB, but Activities Council per se has had no more to say about the design and space allotment of the proposed Student Union than the members of East Campus about their beautiful new fence.

Mr. Dudewicz pooh-poohs the addition of five rotating Class B Activities to the council. He feels that all activities should have equal rights on the council. He seems to forget that by definition Class A Activities represent the largest participation groups on the campus. Such a proposal is the equivalent of giving the City of Cambridge equal voting rights on a council containing the cities of New York, Chicago and Los Angeles. The "monopoly of power" of which he speaks is rather a simple majority of numbers. It is appropriate to point out also that unlike the representation of some Class B Activities, such as the religious organizations, Class A Activities membership is a catholic representation of MIT students.

As for Mr. Dudewicz's proposal of a Senate and House representation system, this could only lead to a needless additional complication of an already elaborate machinery.

Having corrected these errors, let me heartily endorse what remains of Mr. Dudewicz's letter, to wit the proposal that Class B Activities organize. This is a project upon which previous Activities Councils have expended much energy; it is the basis of our proposal for a Class B participation in Activities Council in the new constitution to be voted upon by Inscomm tomorrow evening.

David Guttman '64

Kibitzer

By Elwyn R. Berlekamp '62

Failure to properly coordinate the timing of drawing trumps with the attacking of the side suit cost declarer dearly in today's hand.

East preemptive call is a bit unusual with such a holding, as most players are somewhat hesitant to make such a bid with a four card spade suit as there is a good chance that partner will be preempted out of a four spade contract. Such is actually the case on this hand although with the North-South cards sitting the way they do the contract could not have been made and is of only academic interest anyway as North-South would surely not let the hand be played there.

The rest of the bidding requires little explanation. South's bidding showed such a strong hand that North was able to bid the slam holding only six points.

West led his singleton ♦ to his partner's eight and East shifted to his singleton ♥3. South won with the Ace and West dropped the seven. Declared stopped to consider his strategy. If the ♥3 were a singleton, thought he, there was no hope for the contract as East would be able to overruff Dummy. If the heart suit split four-two, the contract could probably be made by ruffing the heart suit in. Therefore declarer laid down the ♥K at trick three in the hopes of seeing

NORTH			
♠	A 8 6 2		
♥	6 4		
♦	Q 10 7 6		
♣	10 7 2		
WEST		EAST	
♠	K J 9 7	♠	Q 10 5 4
♥	Q 9 7 5 2	♥	3
♦	2	♦	A K J 9 8 5
♣	9 8 5	♣	3
SOUTH			
♠	3		
♥	A K J 10 8		
♦	3		
♣	A K Q J 6 4		
Bidding:			
East	South	West	North
3♦	4♦	P	4♦
P	5♣	P	6♦
All Pass			
Opening lead: ♦2			

some more spots and thereby getting more information which to base his play. But East ruffed this card for a trick set.

Looking at all four hands it is not hard to see that South could have made the slam drawing one round of trumps before cashing the heart King. Such a maneuver will be advantageous on only about one hand in several hundred, but it will be harmful on only one hand several thousand and therefore it should be made. It is like this one that separates champions from the experts.

Electrician Never Late In 50 Years At Tech

Tech men are noted for being late to class — whenever they bother to go.

Many Tech professors are even more noted for being late for classes and for appointments.

Copious quantities of Tech employees are noted for being occasionally late for work.

Abner Stodder, however, is a unique Tech institution: in 50 years of continuous employment, Mr. Stodder has never been late to work.

Last Wednesday the Institute recognized Mr. Stodder's distinguished record with a reception in the lobby of Kresge Auditorium. He was presented with a watch as a token of the Institute's appreciation for his service.

Perfect Attendance

This unusual man has attended every Tech commencement in the last 50 years and has worked on every Massachusetts State High School Science Fair. (This latter event is held annually at MIT.) He was first president of the Quarter Century Club.

Mr. Stodder is one of the few people at the Institute today who can remember the good old days at Copley Square, MIT's location previous to 1916. Starting in 1911 in the Instrument Room of the Electrical Engineering Department, he later became an electrician in the Physical Plant after completing a two-year night course in electrical wiring at Wentworth Institute.

Time Rolls On

During his years at Tech, Mr. Stodder has made many friends and has in fact become a legend among those who know him. He has been known to come up with



Abner Stodder (right) and Dr. Vannevar Bush, honorary chairman of the MIT Corporation, view the watch presented to the former in recognition of his fifty years' service to the Institute.

brilliant solutions to numerous problems, such as that posed by the shift from Standard to Daylight time and back again.

How should he go about re-

setting all the clocks in the Institute in a minimum amount of time? Mr. Stodder's answer was utter simplicity: make the rounds on roller skates.

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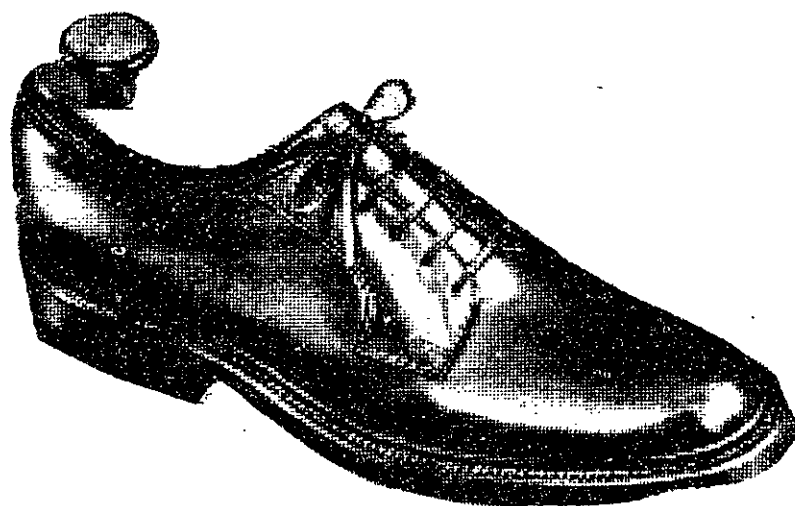
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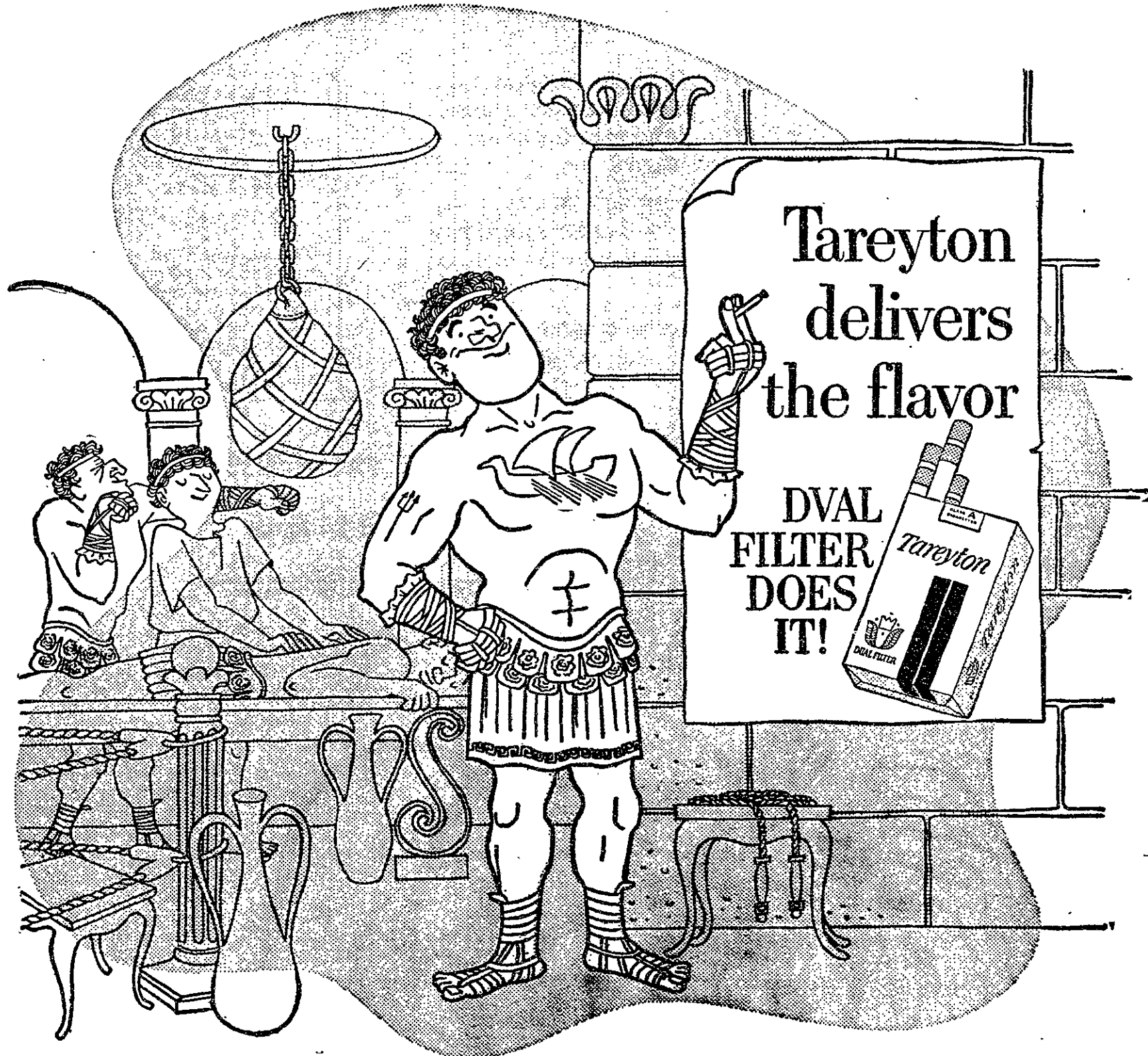
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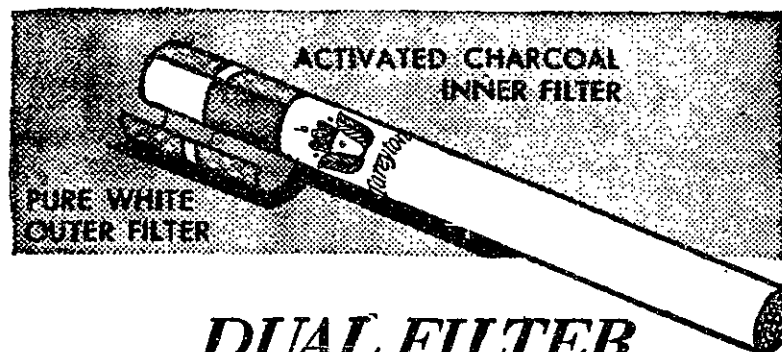
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Bush Patents 'Floating' Piston; Offers Simplicity And Efficiency

A free-piston engine has been patented this week by Dr. Vannevar Bush, Honorary Chairman of the MIT Corporation. As the name indicates, the pistons in the engine are not attached to anything, but are free to move back and forth in the cylinder. This type of engine is especially useful where a high grade fuel is in use.

Two pistons are forced toward each other by air pressure. The air between them becomes hot and ignites injected fuel in diesel fashion. The expanding gases move the pistons apart, which in turn operate a turbine. The pistons are slug shaped—in a single diameter, unlike most prior pistons which are larger at one end.

The Bush engine, which is being developed by the Stewart-Warner Corporation of Springfield, Ill., offers advantages in simplicity and efficiency. Other free-piston engines are in use in European power stations and ships.

Dr. Bush expects that his engine will first be adopted for stationary use in this country, then for use in motor vehicles.

As director of the war-time

Office of Scientific Research and Development, Dr. Bush was also a central figure in the nuclear fission program.

Field Day 80 Yrs. Old; '63 Had Two Losses, '64 Seeks 2nd Victory

For about eighty years, the Institute has set aside a day in the fall for the culmination of rivalry between the freshman and sophomore classes.

Many years before the turn of the century the present form of Field Day was unknown. The main event then was the Cane Rush, in which the participants vied to get the most handfals on a large cane.

Later new programs of safer activities, including football, relay races, and crew races were organized. Through the years students have added touches of originality, including all-night pranks and general rioting.

In 1957 the Athletic Association eliminated these events. This prompted students in East Campus and Senior House to organize a clandestine Mickey Mouse Club for the purpose of holding an East Campus Field day. This activity included the trial of the purple shaft, a long pole presented to the Freshman to hit Sophomores at convenient times and places.

The outcome of the purple shaft event has never been decided, but in 1958 INSCOMM brought back Field Day.

Freshman were victorious in 1958, but in 1959 the Sophomores managed to persuade the judges to count fragments of gloves as complete gloves in the Glove Fight, and consequently they won. Among the other events of Field Day was a "Coed Carry" in which a coed lost not only her dignity, but the seam of her slacks as well.

Last year the Freshmen defeated their rivals by a score of 125 to 75, handing the class of '63 their second consecutive loss. The glove fights, won by the Frosh, proved to be the deciding factor as the other events were spilt evenly. The mystery event consisted of three competitions. One was a 13 legged race, won by the Freshmen. The Balloon Toss, another portion of the mystery event, in which water balloons were thrown and the contestants tried to catch them intact was won by '63.

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Calendar Of Events

(Continued from page 3)

Wednesday, Nov. 8

Technology Dances.

Bake Sale.

Lobby of Building 10, 8:30 a.m.-5:30 p.m.

Operations Research Center.*

Seminar: "Perils in Regression." Dr. Robert L. Barringer, Arthur D. Little, Inc.

Room 1-146, 2:00 p.m.

Technology Catholic Club.*

Meeting.

Miller Room, 3-070, 5:00 p.m.

Seminar Sponsored By The Protestant Ministry.*

Seminar in New Testament Greek. Dr. Goetchius, Episcopal Theological School.

317 Memorial Drive, 7:30 p.m.

MIT Hillel Society.*

Israeli Dancing. Admission 50c.

Walker Memorial, Room 201, 8:30 p.m.

International Conference

On High Magnetic Fields.*

The first International Conference on High Magnetic Fields, sponsored by the Air Force Office of Scientific Research, will be held at Kresge Auditorium on November 1, 2, 3 and 4. More than 400 scientists from throughout the world have been invited to attend. The M.I.T. National Magnet Laboratory will be host for the conference.

A.S.M.E.—Textile Engineering Conference.

On November 1 and 2, the 1961 Fall Textile Engineering Conference on Automation and its Potential for the Textile Industry will be held in the Little Theatre, Kresge Auditorium. All interested students and faculty members are welcome.

M.I.T. Libraries.

On Tuesday, November 7, an all-day meeting will be held in Kresge Auditorium by the American Documentation Institute. Panel discussions begin at 9:00 a.m. and 3:00 p.m.

M.I.T. on WGBH-TV, Channel 2

M.I.T. Science Reporter.

"Big Magnets." Dr. Bert Little with guests, Dr. Benjamin Lax, Director of the M.I.T. National Magnet Laboratory, and Dr. Francis Bitter, Professor of Geophysics, M.I.T. Wednesday, Nov. 1, 9:30 p.m. and Sunday, Nov. 5, 4:00 p.m.

Exhibits.*

Photo Service Gallery

(211 Massachusetts Avenue). Photographic Salon prints by J. Ivan Sherry of Toledo, Ohio. Exhibit consists of varied subjects. Displayed through November 17.

Faculty Club. Work by students of Robert O. Preusser, Professor of Visual Design. Early New England pottery collected by Professor F. H. Norton.

Religious Services In The Chapel

Daily Services

Roman Catholic Mass 8:00 a.m. Confessions on Thursday in Spanish, French, Italian and English. 12:30-1:30 p.m.

Confessions on Friday in English. 12:30-1:30 p.m.

Weekly Services

Christian Science Organization

7:15 p.m.

Compline Service

Wednesday at 10:00 p.m.

Episcopal Holy Communion Service

All Saints' Day.

Wednesday at 12:10 p.m.

Roman Catholic Mass

All Saints' Day.

Wednesday, 8:00 a.m. and 5 p.m.

All Souls' Day.

Thursday, 8:00 a.m., 12:10 p.m. and 5:00 p.m.

Sunday, 8:00 a.m. and 10:00 a.m.

Vedanta Service

Friday at 5:15 p.m.

Jewish Sabbath Services (Hillel)

Sabbath Service.

Friday at 7:30 p.m.

Sabbath Service.

Saturday at 9:30 a.m.

Services Sponsored By The Protestant Ministry

Holy Communion and Sermon according to the Book of Common Prayer.

Sunday at 9:00 a.m.

Worship with Sermon.

Sunday at 11:00 a.m.

The chapel is open for private meditation from 7:00 a.m. to 11:00 p.m. every day.

Bank Gives \$25,000 To 2nd Century Fund

A grant of \$25,000 to MIT has been made by the New England Merchants National Bank, setting a new precedent, Dr. Killian announced. He was informed of the grant by Richard P. Chapman, President of the bank, and C. Rodgers Burgin, Chairman of the Board.

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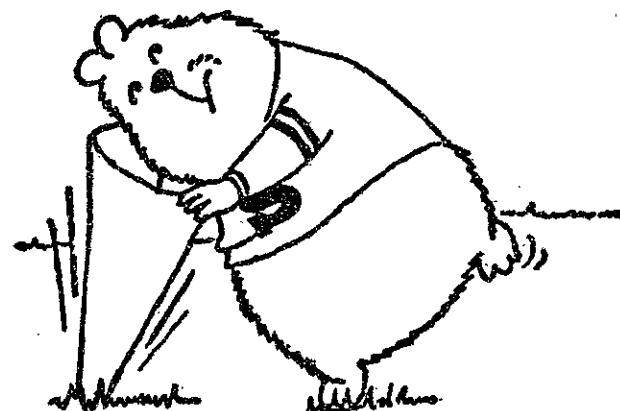
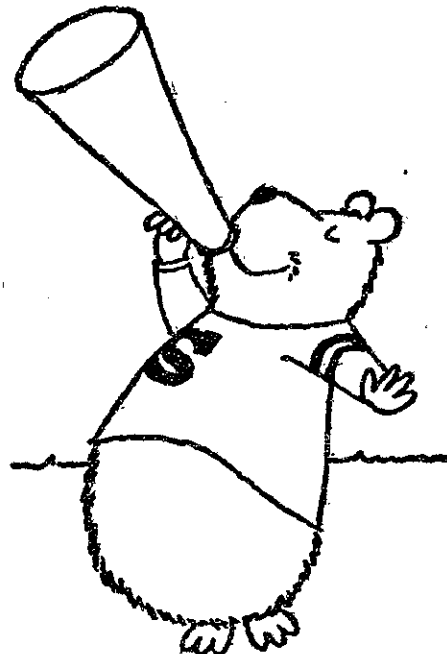
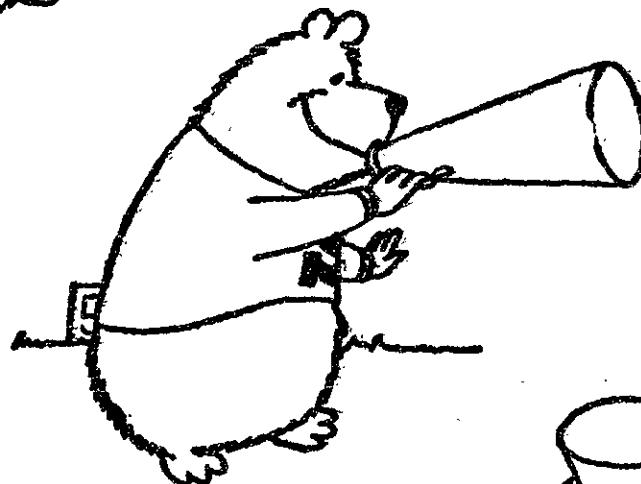
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Entertainment-wise

Thurber Carnival Opening At Wilbur

By Dick Minnick '65

Lena Horne and her 9 o'clock revue opened this week at the Colonial Theater. The musical comedy star and nightclub personality heads a program of musical entertainment featuring the Delta Rhythm Boys, comedian Don Adams, dancers Augie and March. This show will run through next week only.

One of the outstanding coming attractions is "A Thurber Carnival" which opens at the Wilbur on November sixth. It has been billed by the The York Times as "the freshest and funniest show of the year!" A comedy revue derived from the writings of humorist James Thurber, it stars Imogene Coca, Arthur Treacher, and King Donovan.

This is the final week for "Bye Bye Birdie" at the Shubert, "The Great God Brown" at the Charles Playhouse, and "The Tenth Man" at the Wilbur.

The Limelights, sophisticated folk song singers, will perform Friday night at 8:30 in Symphony Hall. They consist of Lou Gottlieb, PhD zany spokesman for the group; banjoist and baritone Alex Hassilev; and Glenn Yarborough, guitarist and tenor.

The Community Church of Boston announced a series of folk concerts to be held at the Church Center, 565 Boylston Street, Copley Square. The opening concert will feature Jackie Washington, Boston's own folksinger, in a varied program of ballads, blues, and novelty songs Friday, November 3, at 8:30 p.m. Jackie is one of the most popular, sought-after folksingers in the local area, having entertained in most of the coffee shops and universities, as well as for a number of organizations.

An exhibition entitled "Greece: VI, V, IV Centuries" will be on view in the Hayden Gallery of MIT from November 6 through November 26. The Gallery is open Monday through Friday, 9 a.m. to 5 p.m. The exhibition has been planned by MIT's Museum Committee in conjunction

with the Humanities Department and features photographic mural of ancient Greek sculpture and architecture. Amphora, lecythos, and bronzes, which are on loan from the Boston Museum of Fine Arts collection, complete the exhibit of Greek art representing the Periclean peak of their civilization.

The Museum of Fine Arts in Boston is featuring several special exhibitions this month including "25 Centuries of Peruvian Art," "Boston Printmakers," and "American Watercolors and Drawings." Student admission is only twenty-five cents.

Louis Speyer, noted member of the Boston Symphony Orchestra, will perform during a

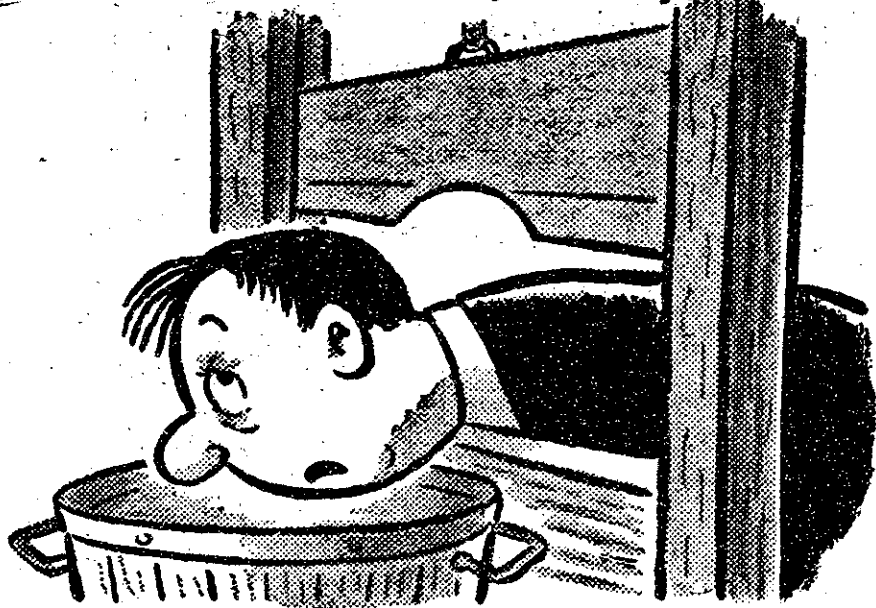
concert at the Isabella Stewart Gardner Museum on November 5th. The program consists of three selections each on the English horn and Oboe. Admission is free.

The Brattle Theater in Harvard Square is presenting the original German version of "Rosemary" this week. "Come September" and the "Honeymoon Machine" are being featured at the University.

The Dramashop will present its second evening of one act plays this Friday, November 3, at 8:30 p.m. in the Kresge Little Theater. The first play, "The Room," is a contemporary kitchen drama by Harold Tinter, featuring Carolyn Crawford as Rose. The second is a reading performance of a BBC radio play, "All That Fall," by Samuel Beckett, author of "Waiting for Godot," and starring Joan Tolentino as Mrs. Rooney. There will be a critique and coffee hour afterwards. Admission is free.

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party?"

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outside
and have
a smoke,
baby!"

"Why do
you keep
looking
at me
like that,
George?"

"Never go
down there
alone, Gladys—
that's
Fraternity
Row!"



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ASTOR—"Splendor in the Grass," 1:00, 3:05, 5:10, 7:10, 9:15.
BEACON HILL—"Rocco and His Brothers," 1:35, 4:05, 6:35, 9:10.
BOSTON THEATER—"Search for Paradise," two shows, 2:30 & 7:30 p.m.
BRATTLE—"Rosemary," 5:30, 7:30, 9:30.
CAPRI—"Breakfast at Tiffany's," 1:30, 3:30, 5:30, 7:30, 9:30.
CENTER—"Nature Girl and Slaver," 1:00, 4:00, 7:00, 10:00; "Rosemary," 2:10, 5:10, 8:10.
EXETER STREET THEATER—"Through Friday," "Purple Noon," 2:15, 4:25, 6:40, 9:00; News and shorts, 2:00, 4:10, 6:25, 8:40. Starting Saturday: "The Devil's Eye," no times available.
FENWAY—"L'Adventure," 2:00, 4:30, 7:00, 9:30.
FINE ARTS—"Through Thursday: "Black Orpheus," 3:45, 7:00, 10:00; "Jazz on a Summer's Day," 2:30, 5:30, 8:45. Starting Friday: "The Nights of Cabiria," 5:00, 7:30, 10:00; "The Bespoke Overcoat," 7:00, 9:00.
GARY—"West Side Story," Evenings at 8:30; Matinee on Wednesdays, Saturdays, 2:30.
KEITH MEMORIAL—"Back Street," 1:00, 4:00, 7:05, 10:00; "Trouble in the Sky," 2:45, 5:50, 8:55.
LOEW'S ORPHEUM—"The Devil at Four O'Clock," 1:00, 3:10, 5:25, 7:35, 9:50.
MAYFLOWER—"Good Bye Again," and "Happy Anniversary," no times available.
METROPOLITAN—"The Mark," no times available.
PARAMOUNT—"House of Fear," 1:15, 4:00, 6:40, 9:25; "Black Pit of Doctor M," 2:40, 5:20, 8:05.
PILGRIM—"A Thunder of Drums," and "Ada," complete show approx. 9:00, 1:00, 4:30, 8:00.
TELEPIX—"Lads," 11:30, 1:30, 3:30, 5:30, 7:30, 9:30.
UNIVERSITY—"Come September," and "The Honeymoon Machine," continuing from 1:30.

Theatre Schedule

CHARLES—"The Great God Brown," by Eugene O'Neill. Tuesday-Friday 8:30; Saturday 5:30, 9:00; Sunday 3:00, 7:30.
COLONIAL—"The Compliant Lover," the Graham Greene comedy about adultery between a dull dentist, his wife, and her lover, and featuring Michael Redgrave. Nightly at 8:30 with Matinee on Thursday and Saturday at 2:30.
SHUBERT—"Bye-Bye Birdie," for one more week, the "Tony"-award winning musical brings its New York east from Broadway, including Dick Gautier and Kay Medford. Nightly at 8:30; Matinee on Wednesday and Saturday at 2:30.
WILBUR—"The Tenth Man," by Paddy Chayevsky, for one more week. No Times Available.

'Tenth Man' Production Weak in Basic Format

The latest Broadway play to be imported after a long run in this country's theater capital is "The Tenth Man." Generally speaking, these are the plays to see because they have been thoroughly tested; because of this, they are usually superior to the new, pre-New York productions. I wish I could say that this play follows the general rule, but I cannot. It is, at least in the present production, very weak. The main fault is that it tries to be all things (comedy, drama, social comment) and to

have something for every type of person; and as the rule goes, it succeeds in none of these.

This play could have been great as either a satirical farce or as a straight drama and it would take very little revising to make it either of these; it would mainly require a reemphasis in the acting approach. However, although it would be better as either of these, it would not have been as successful; if it were to be presented as the first, it would offend most people and could not be produced because of monetary considerations; if the comedy had been left out, however, it would have been an absorbing and gripping drama.

But it was not, and, after laughing our way through the first two acts, we cannot become serious during the last.

Not only was the comedy included to make the play attractive to more people, but also, to counteract the predominantly Jewish interest in it, it was written ambiguously so that anyone from an extreme skeptic to a very religious person would leave the theater feeling his position to be supported by the play.

Diverse Styles of Acting

The acting is, on the whole, a conglomeration of diverse styles which do not complement one another. It ranges from comedy bordering on the slapstick to intense dramatic fervor. The former is displayed in the parts of the sexton of the synagogue (played by David Vardi), of Schlissel (Martin Wolfson) and of Alper (Truman Gaige), the latter two both friends of Mr. Forman. The sexton is always running about trying to find a tenth man for various religious services, one of the friends is a confirmed unbeliever, and the other of the friends is a meek man. As you can well imagine, these characteristics are pushed beyond the realm of humor.

Narrow Passage—Shipwreck

Jacob Ben-Ami as the grandfather tries to sail between these two extremes, but he is not successful. He is too serious to be humorous and two humorous to be taken seriously. As a result, he contributes nothing to the show.

His granddaughter, Evelyn,

was played by Risa Schwartz. She is one of the redeeming features of the play. She acted her part most seriously and luckily was not set in among the clowns as this could have ruined her performance. She actually played three parts most successfully; she played a gentle, innocent girl, an extremely disturbed schizophrenic, and the evil spirit possessing her body. During the play she displayed many of the emotions common to all men, pure love, impure love, gentleness, and extremes of temper; and she was conquered by none.

A Strong Magnetic Field

The other character who was essentially dramatic was Arthur Landau played by Michael Lipton. Taken by himself, he could be said to be effective. However this is rather difficult as he was constantly being played off against the comics. As a result his talent could not be appreciated and his value tended to be lost to the production. When he can separate himself from them, particularly when he is playing opposite Miss Schwartz, he obtains an electric intensity and radiates powerful lines of force throughout the teater.

The only other major character is Hirschman (Anatol Wingo-gradoff). His part seems to be to hold the play together and all things considered, his is a neutral, colorless role. He also tries to compromise between the two extremes and is more successful than Ben-Ami, becoming a stage representation of the common man.

I cannot say that I recommend this play except to members of the VooDoo and regular play-goers. As far as I am concerned, it is just another play. Save your money so that you will have it when an excellent play arrives; after all there are many good shows coming and one or two of them should prove to be exceptional.

Richard N. Waterhouse '65

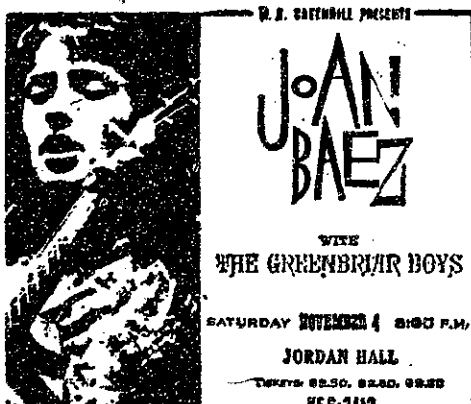
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Hope New Student Center Will Link All Social, Cultural, Athletic Activities

By Andy Tannenbaum '65

The undergraduate student center with facilities for a diversity of student activities is now being planned by the architect. The Student Center is expected to be financed by funds from the Second Century Fund. As an entity it will be a place that students can call their own, where traditions can develop, where the undergraduates may discover many different opportunities for social, intellectual and cultural broadening.

Because Walker Memorial is quite inadequate for the large majority of student activities, the new center will have facilities for meetings, recreation, social activities, sustaining organizations, commuters, women students, and commercial organizations.

The building, which will have between 90,000 and 115,000 square feet of floor space, will be situated on West Campus, parallel to the Dupont Athletic Center.

The primary purpose of the center will be to integrate the living groups and coordinate the academic, social, athletic, and cultural aspects of the MIT undergraduates. The Student Center Committee, which is planning the center, emphasizes that the new building will not become a catch-all, thus failing in its purpose.

Among the many facilities available in the center will be four meeting rooms, three of which will seat between 25 and 35 people. The fourth room, which may have a permanent movie projector will be larger, probably having a capacity of 60-75 persons. Currently meetings are scattered throughout the dormitories, departmental lounges, and empty classrooms, none of which are really ideally suited to the informal atmosphere which should prevail at these meetings.

A large number of social and recreational areas are planned, including a ballroom for 200-250 couples which can be converted to either an auditorium or a banquet hall. Eating facilities are also of primary importance. These will probably include a rathskeller, serving snacks and beverages — preferably beer — and a second, larger, cafeteria-restaurant seating around 300 people which will be open all week. Three smaller, more intimate dining rooms and a room seating 75-100 are also being considered.

Office space will be assigned to publications, student government groups, service organizations, WTBS and WIMX, hobby and musical clubs, and other activities, which continue throughout the year. A general

activities area with some working and storage space will be provided for the combined use of the smaller and temporary organizations. Certain other groups, such as the Tech Nickel Plate, and the MIT Rocket Research Society, which have limited membership and need special equipment will remain at their present locations in the main buildings.

In the opinion of the chaplains, religious counseling should take place away from the main stream of activity, and therefore, the main religious center will remain at 317 Memorial Drive. Student religious groups will, however, be assigned space in the new center.

Special areas will be assigned to the Commuters Association and the Association of Women Students. It is expected that the lounges, game rooms, restaurants, and musical practice rooms, as well as other facilities

duplicated in the dormitories, will receive extensive use by non-residents. This will serve to integrate the student body, a major function of the center.

A browsing library, a set of lounges, an active and a quiet game room, six bowling alleys with automatic pinspotters, and a lobby for receptions after major events will be also included. Commercial facilities such as a larger Coop, a drugstore, a cleaner, launderer-tailor, shoemaker, bank, post-office, smoke shop specializing in periodicals, newspapers, tobacco, and record shop may also be located in the center.

It is expected that some provision for parking space will be made, although at this time the location of the parking lot is not definite.

Nor has it been decided how the center will be operated. Whether the Dean's office, a managing board of students or Institute Committee and TCA will govern the center is also a matter that the Student Center Committee is pondering. Careful selection of managerial personnel will be an important factor in determining how well the center fulfills its purpose, and provides the Tech undergraduate with a building he (or she) can call his own.

Mphahlele To Present Third Lecture In African Series

Ezekiel Mphahlele, noted South African author and commentator on the political and cultural problems of Africa, will lecture on the "American image in Emergent Africa" at MIT, Tuesday, Nov. 7.

The lecture, open to the public, will be given starting at 1 p.m. on the library lounge of the Hayden Library.

This will be the third in a series of lectures on Africa which Mr. Mphahlele is presented at MIT this fall under the auspices of the Institute's Political Science section. The last lecture in the series, "The Outlook for South Africa" will be presented Thursday, Nov. 16 starting at 1 p.m. in the library lounge.

Mr. Mphahlele presently is director of the African program of the Congress of Cultural Freedom. He received a master of arts degree from the University of South Africa at Johannesburg. Later, he was associated with the Department of Extramural studies at the University College of Ibadan.

Mr. Mphahlele is widely known for his book "Down Second Avenue," an autobiography detailing his early life as a Negro in the segregated society of Pretoria, South Africa. His latest book, "The African Image," will be published soon.

Mr. Mphahlele will also deliver a lecture on "Africa and the Color Problem" as part of the Helmsley Lecture Series at Brandeis University, the evening of Tuesday, Nov. 7.

His lectures at MIT were made possible under a grant from Mr. and Mrs. Arthur W. Sloan of Washington, D. C. The Sloan grant totaling \$500,000 will be used to establish the Arthur and Ruth Sloan Professorship in the MIT Political Science section.

The professorship will emphasize research and teaching in the area of African affairs. Pending appointment of a permanent professor to the new chair, the Sloan grant is being used to bring leading lectures on African affairs to the MIT campus.

After WGBH Fire

Insurance Settlement Awaited

The future of MIT's fire-ravaged Massachusetts Avenue building depends on the outcome of the insurance settlement. What is to be done with the building will be determined by whether a partial or complete compensation will be granted by the insurance company.

According to Frederic W. Watriss of the president's office there are two possible alternatives for the property. Either the building will be returned to its original status as an investment medium for the institute or the long range objective of constructing a student center will be fulfilled. The latter alternative depends on the raising of the necessary funds.

The various businesses that occupied the building are now searching for new facilities. The radio station, WTBS, has moved to new offices in Kendall Square. The management of the Tech Drug has not yet found a new location. They desire a location near MIT so they can continue to serve the MIT community and have their pharmacy operate with the MIT infirmary. Larry's Barbershop is also looking for a new home near MIT, since Larry has served MIT for most of his lifetime.

Samuelson Revises His 14.01 Text Each Time He Changes His Mind

A case of creeping inflation in reverse has been uncovered by the Chamber of Commerce Professor Paul A. Samuelson. "Economics, An Introductory Analysis," the 14.01 text.

The first and second editions, 1948 and 1951, state, "If price increases could be held down to say less than 5% per year, such a mild steady inflation need not cause too great concern."

Third edition, 1955: "If price increases could be held down to say, 3% per year, such a mild steady inflation need not cause too great concern."

Fourth edition, 1958: "If price increases could be held down to say, 2% per year, such a mild steady inflation need not cause too great concern."

Fifth edition, 1961: "Price increases that could be held below 2% per year are one thing, but . . ."

On "Meet the Press" last March the professor said: "We can hold things down so that the official index of prices goes up by no more than 1.5 or 2 per cent, I shall be very content."

When asked to comment on this situation, the professor stated, "As new information becomes available I change my mind, and I expect to do so in the future."

Treasurer's Report Indicates Income Up

(Continued from Page 1)

U. S. government bonds, and 36 million of other bonds, the Institute has \$30 million invested in common stocks.

Based on quantity of money invested, Institute favorites are: Standard Oil of New Jersey, IBM, Texas Instruments, Christiana Securities Co., and General Motors.

The institute also has a \$100,000 interest in the Addison-Wesley Publishing Co. (A-W publishes many of the text books used by Tech students.)

The report also showed the institute holding mortgages on several MIT fraternity houses: Beta Theta Pi, Delta Kappa Epsilon, Delta Upsilon, Kappa Sigma, Phi Kappa, Sigma Chi, and Tau Epsilon Phi.

The Report of the Treasurer is one of five Bulletins issued by the institute each year. The others are the Report of the President, the General Catalogue, Undergraduate Catalogue, and Summer Session Catalogue.

A breakdown of expenditures and asset levels showed:

Academic operations	\$ 29,589,000
Research	20,314,000
Laboratories	56,995,000
Total funds	122,557,000
Plant Assets	49,269,000
Gifts and Grants	14,584,000
Market value of Investments	191,252,000

Christian Scientists Set Lecture Monday

A fresh approach to prayer will be discussed in a free public lecture to be given here Monday, Nov. 6 by Howard H. Irwin of San Bernardino, California.

Mr. Irwin, a member of the Christian Science Board of Lectureship, will speak in the Little Theatre of Kresge Auditorium under the auspices of the Christian Science Organization on campus. The subject of his lecture will be "Christian Science and the Healing Prayer of Faith."

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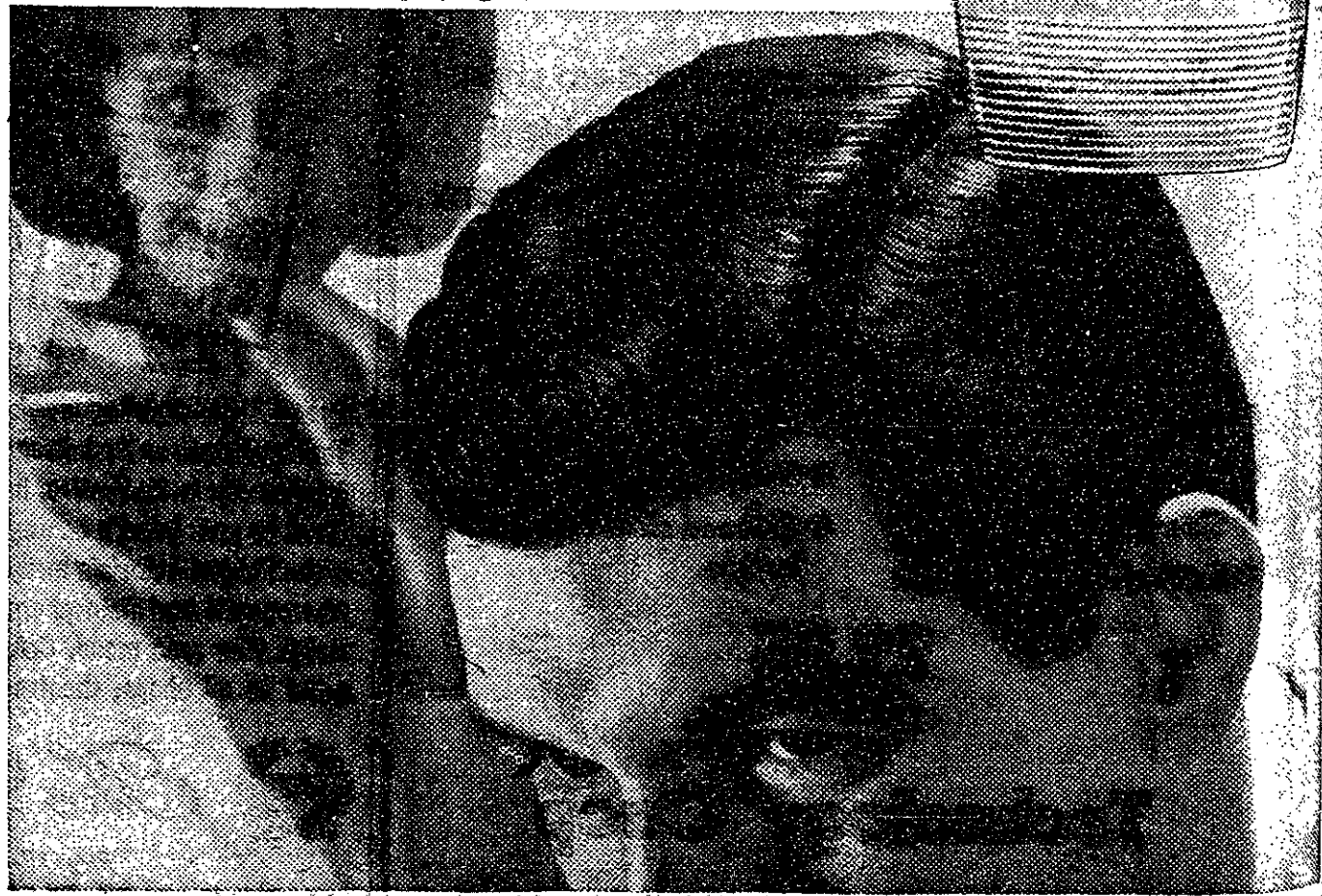
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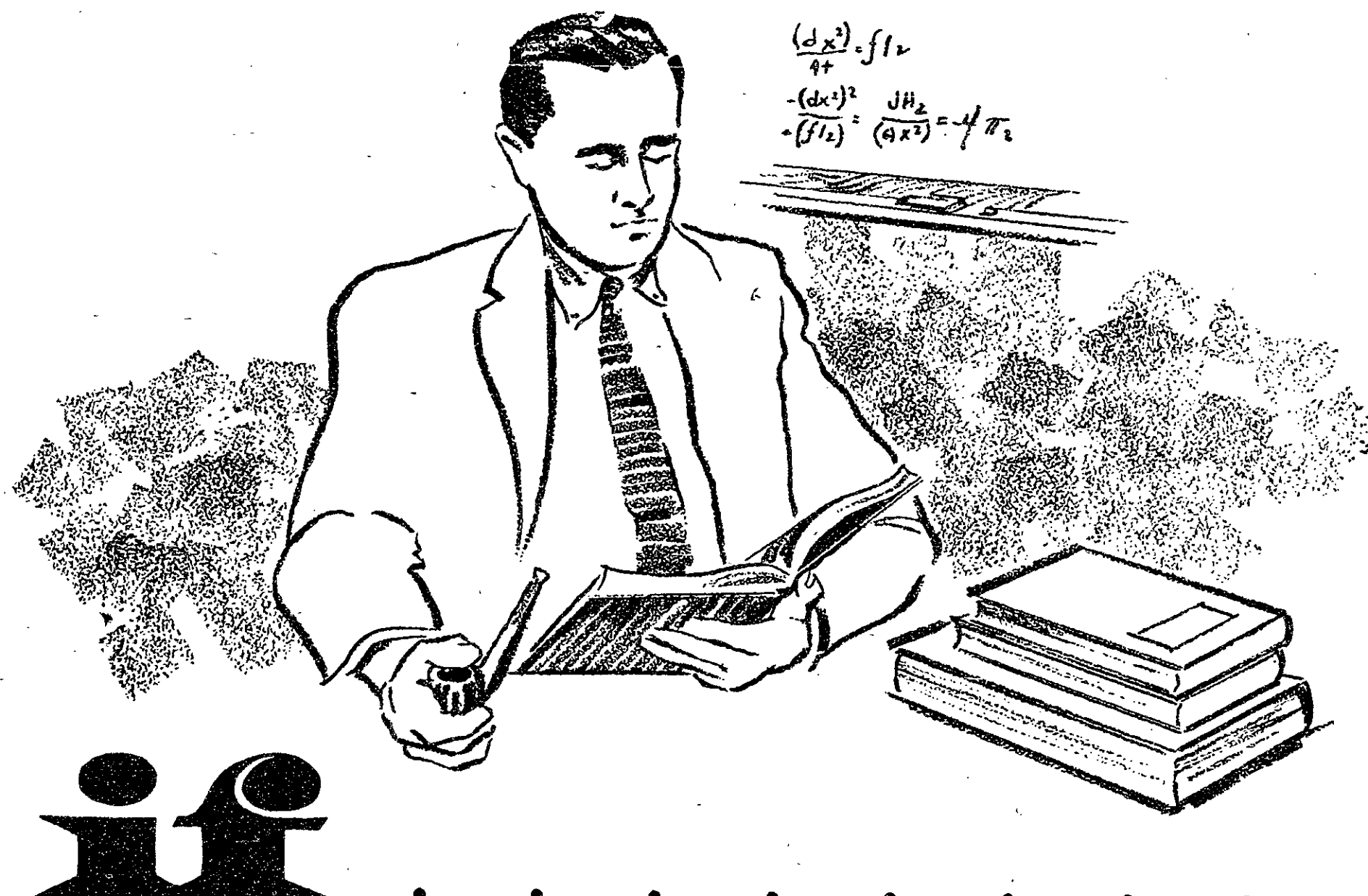
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ON-CAMPUS INTERVIEWS

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TDC Trips East Campus, 18-8 Phi Gams Sail To Narrow Victory; Hastings Top Skipper Of IM Meet

By Jay Salmon '63
Behind the brilliant play of Terry "Touchdown" Chatwin '63, Theta Delta Chi defeated East Campus 18-8 to win the B division football championship. In the consolation game Sigma Nu rolled over Student House 24-0.

TDC got off to a fast start as Chatwin picked off an E. C. pass on the first series of downs and carried it to the 23. Chatwin swept the end twice for 11 yards to set up a first down on the 12. Thwo incomplete passes and an off-tackle brought it to fourth and 8 when Chatwin fired the 10 yard touchdown pass to Marty Ormand '64.

East Campus came back with a safety early in the second period as George Olah '64 punted beautifully out of bounds on the 6 inch line. On the first play the E. C. line swarmed in to get the safety.

TDC found a weakness in the E. C. defense and twice clicked on Bill Vachon '63 to Chatwin passes for touchdowns covering 18 and 23 yards respectively. The play was deceptive as Chatwin handed off to Vachon rolling left and drifted back right for the pass reception.

The second half was more even as TDC went scoreless but allowed East Campus only one touchdown on a John Costello '62 to Bob Petrick '63 pass covering 10 yards. After that E. C. threatened several times but the alert pass defense of Chatwin and Vachon and the hard charge of TDC's line held them in check.

Sigma Nu, led by quarterback George Meyer '62, scored a touchdown in each period to cop third place in B division competition. Meyer started the scoring by sweeping the end for 33 yards and the touchdown in the first period. He scored again on a 1 foot plunge following Dave Ritter's '63 block of a Student House punt and hit Larry Pitts '62 and Dick Phillips '63 for the other two scores.



Excellent weather prevailed as intramural helmsmen battled on the Charles.

The finals for the fall sailing IM's were probably the closest group of races at MIT in several years. The four finalists, Phi Gamma Delta, Sigma Alpha Epsilon, Theta Delta Chi, and Grad House sailed an eight race series, Tuesday, at the end of which three teams were tied for first and the fourth was close behind. To resolve the matter a second round robin was held Wednesday. Phi Gamma Delta won with 16 points, Theta Delta Chi was second with 21, and Sigma Alpha Epsilon and Grad House tied for third with 24. SAE was given the honors on the grounds that they had beaten the Grad House team five times out of eight.

The top skipper in the whole series was Tom Hastings of Phi Gamma Delta with six points out of a minimum of four, using the low point system. His teammate Brian Strong wasn't far behind. Skippering for Theta Delta Chi were Craig Sawyer and George Felts, while Bill Bails and Harley Jordon handled the tiller for SAE and Bill McCandless and Lewis Glanville raced the Graduate House boats.

The standings for all fourteen boats which participated in the original series are as follows: 1) Phi Gamma Delta, 2) Theta Delta Chi, 3) Sigma Alpha Epsilon, 4) Graduate House B, 5) Graduate House A, 6) Phil Delta Theta, 7) Club Latino, 8) NRSA, 9) Burton A, 10) Sigma Phi Epsilon, 11) Burton B, 12) Baker House, 13) Zeta Beta Tau, and 14) East Campus.

Sig Eps Snag Wrestling Honors

Sigma Phi Epsilon A team won the fifth annual MIT intramural wrestling tournament held last Friday and Saturday, October 27 and 28. Burton House took second place in team scoring, while Lambda Chi Alpha came in third.

Sig Ep, last year's champions, had 55 points, while Burton House moved from ninth to second with 47 points. Third place Lambda Chi Alpha improved on last year's eleventh place finish with 42 points.

Making strong individual showings were Postula, Sigma Nu, in the 177 pound class, Jackson, Sigma Nu, in the 167 pound class, and Fredrickson, Burton House, in the 147 pound class.

The championship matches in each weight class went as follows: 129, Kaiser, Burton, decisioned Rogol, last year's 129 lb. champion; 137, Cairns, Sig Ep, decisioned Donnel, Lambda Chi Alpha; 147, Fredrickson, Burton, pinned Pilon, Lambda Chi Alpha; 157, Arold, Delta Tau Delta, decisioned Borton; 167, Jackson, Sigma Nu, pinned Wells, ATO; 177, Postula, Sigma Nu, decisioned Sunstein, Burton; unlimited, Nelson, Sig Ep, pinned Ramo, Baker House, last year's champion in his class.

The enthusiastic crowds that attended both nights saw some of the best matches in the 177 pound class. The wrestlers in this class were quite evenly matched with many close contests, resulting.

Twenty-one teams were entered this year, although SAE had to withdraw two teams because of illness, SAE was in second in the 1960 tournament.

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Monday, November 13
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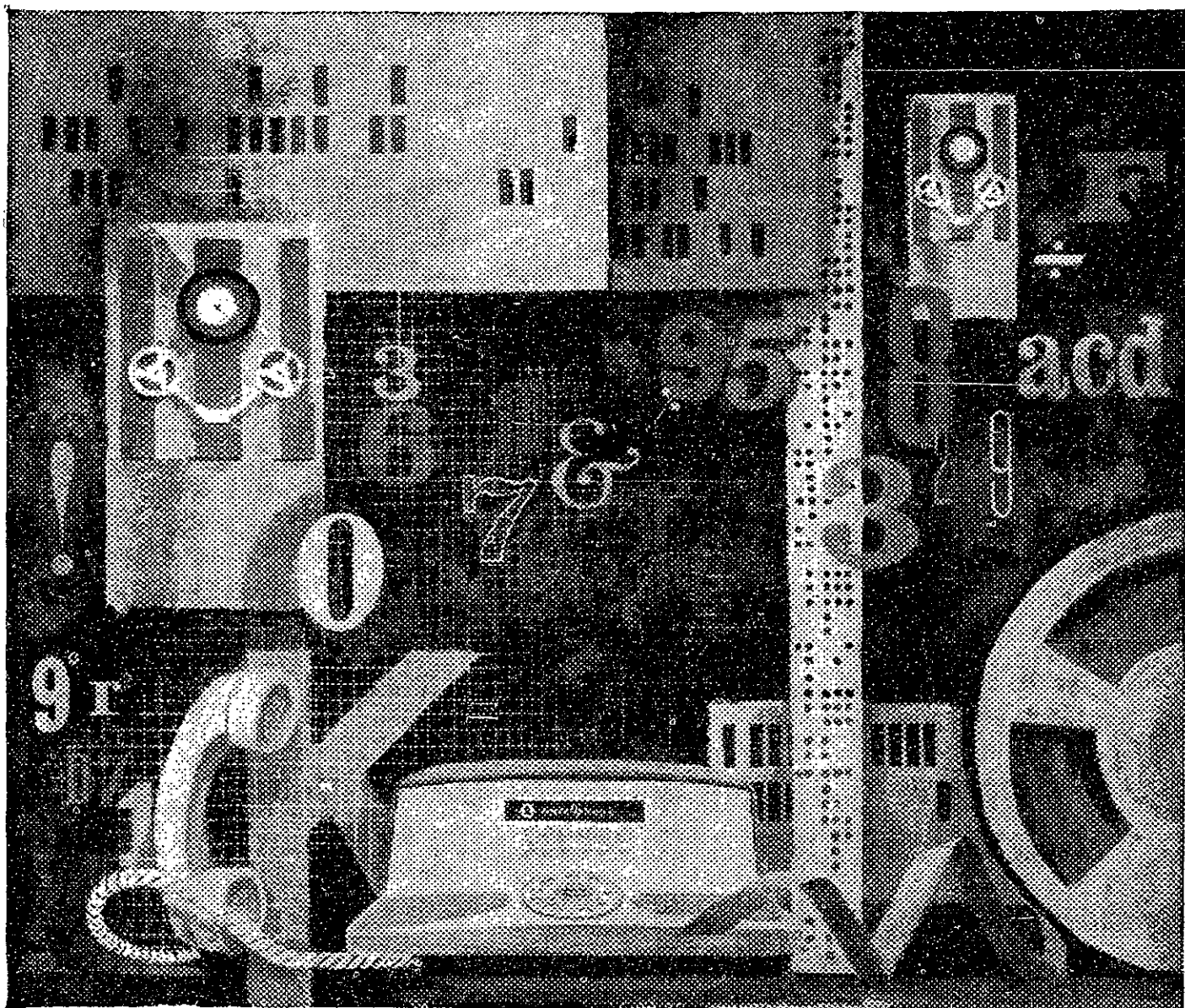
Monday, November 20
BACH-HANDEL: ADELE ADDISON
WOODWORTH conducting
(includes Bach, Cantata 51; Handel, L'Allegro;
with Voisin, Pappoutsakis and orchestra)

Monday, November 27
BACH-MOZART: KRIPS, ZIGHERA, FULLER, BARNETT
(Mozart, Trios 3 and 5; Bach, Sonatas 2 and 3)

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Basketball In IM Spotlight

The intramural basketball season got off to a fast start this week with first round games on Sunday, Monday, and Tuesday nights. The fifty-five teams participating have been split into three divisions. This is the result of two major changes in this year's basketball program. The first change is the creation of a Major division composed of two leagues of eight teams each. It is hoped that this will give the more powerful teams more competition and allow the smaller teams to compete against teams of their own caliber. The second change is the creation of an A division to give anyone eligible to play intramural basketball a chance to play.

The third division the AAA division, will be for teams slightly under the caliber of Major division play and slightly over the caliber of competition in the A division. The purpose of the different divisions is to provide more even competition between the teams and is being tried this year on an experimental basis.

With the results of the first few games not yet reported, it appears as though perennial champion Grad house must be

given the favorite's role in the Major division. Due to the overall strength of the division, a number of teams must be tabbed as dark horses and may well spring an upset.

Strengths of individual teams in the other divisions are even more unpredictable in view of the large number of freshmen of unpredictable quality on the roster. All indications are for an extremely active and successful intramural basketball season. The divisions and their breakdowns are as follows:

I Major Division

NATIONAL LEAGUE

Beta Theta Pi
Graduate House "A"
Gross Nationals
Phi Delta Theta
Sigma Alpha Epsilon
Sigma Chi
The Old Guys
Theta Chi "A"

AMERICAN LEAGUE

Alpha Tau Omega "A"
Burton House "A"
Graduate House "B"
Graduate Management Society
Lambda Chi Alpha
Pi Lambda Phi
Senior House "A"
Sigma Alpha Mu

II AAA Division

AMERICAN ASSOCIATION

Astronauts
Baker House "B"
Delta Kappa Epsilon
Delta Tau Delta
Student House
Zeta Beta Tau

INTERNATIONAL LEAGUE

Baker House "A"
Burton House "B"
Phi Gamma Delta
Phi Sigma Kappa
Sigma Phi Epsilon
Tau Epsilon Phi

PACIFIC COAST LEAGUE

Alpha Epsilon Pi "A"
Atom Smashers
Delta Upsilon
Electronic Systems Laboratory
Phi Kappa Sigma
Phi Kappa Theta

III A Division

EASTERN LEAGUE

Baker House "C"
Burton House "C"
East Campus: Bemis 2nd
Bemis 4th
Bemis 5th
Hayden 1st
Hayden 2nd

SOUTHERN LEAGUE

Alpha Epsilon Pi "B"
Alpha Tau Omega "B"
Chi Phi
Kappa Sigma
Phi Mu Delta
Theta Chi "B"
Theta Delta Chi

WESTERN LEAGUE

Burton House Dining Staff
Chinese Student Club
Graduate House "C"
Net Nationals
Non-Resident Student Association
Senior House "B"
Walker Dining Staff

ON DECK

Today, November 1

Soccer at Coast Guard
Soccer (F) with Exeter 3 p.m.

Saturday, November 4

Soccer with Army Noon
Cross country (V&F) with Wesleyan, 2 p.m.

Wednesday, November 8

Cross country (V&F) with Northeastern, Bates, Tufts

Hands?

Ref Says No!



This deflection brought Tech protests of "hands" Saturday.

All-Institute Swimming Meet Scheduled Nov. 18

The MIT Swim Club will present the Sixth Annual All-Institute Swimming Championships at the Alumni Pool on Saturday evening, November 18th at eight o'clock. The competition is open to all members of the MIT community, with five teams, the Classes of 1965, 1964, 1963, 1962, and the Graduates, vying for the Interclass Trophy. The Graduate team is composed of MIT Alumni, graduate students, faculty, and staff.

In the past five years, the All-Institute Swimming Championships has become one of the top non-professional swimming shows in New England. This year's event will have, as special attractions, water ballet and diving exhibitions as well as the regular interclass competition.

For those who are interested in entering, there will be eleven competitive events, including eight individual swimming races, two relay races, and diving. The swimming events are the 50, 100, 220, and 440 yard free-style; 100 yard butterfly; 200 yard individual medley, 200 yard backstroke, and the 200 yard breaststroke.

Watch for posters from which application blanks may be obtained. Posters are located on all the Institute bulletin boards and at the Swimming pool. Trials will be held at 1:00 p.m. on Saturday afternoon, November 18th; and finals that night at 8:00 p.m.

Sports Event Of The Week

Soccer With Army

The Sports Event of the Week is designed to highlight outstanding athletic events on the MIT campus. The Army-MIT soccer game this Saturday afternoon will be this year's first Sports Event of the Week.

Led by All-America Dirk Berghager, the MIT team has lost only one game to date and has a fine chance to take the New England Championship. This Saturday's home game against Army will be the last chance to see this fine team in action at home. The game has been rescheduled from the normal 2 p.m. time and will be played at noon so as not to conflict with the JP Weekend activities.

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Varsity, Frosh Sailors Both Win

MIT sailors were in top form this weekend with both the freshmen and varsity winning their regattas.

The varsity sailed in the New England team racing eliminations, a two day double round-robin, held at the Coast Guard Academy. Sailing for Tech were Ken Klare '63, Warren McCandless '62, Mike Liftschitz '63, and Henry Weil '64. Sailing one race against each school, Tech won four out of five on Saturday, losing to B.U., who was then in first, winning all five races.

Tech took command on Sunday winning easily all five races, tying on wins with B.U., but taking first on a generous point lead. Harvard and Coast Guard came out on top at the other half of the eliminations held on the Charles. All four teams will compete in the finals held the weekend after next on the Charles.

The freshman also sailed well this weekend, taking first in the Freshman Pentagonal held at Brown. With Scott Hynek sail-

ing "A" division and John Navas in "B" division, the Tech sailors overpowered Brown in the last two races to win the regatta and take high point skipper in each division.

Next weekend the Schell Trophy, an intersectional regatta, will be held on the Charles. Tech being defending champions are going to have keen competition from Harvard, B.U., and other top schools from both the east and midwest.

Subscribe To The Tech

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Introduction To Sports

Ice Hockey

By Bud Pratt '64

For the spectator, be he the animalistic sort who ogles at the sight of skaters careening around a rink like golf balls in a tile bathroom; or the more sensitive observer who appreciates the smooth, swift grace of continuous motion and the intricacies of deceptive manual guidance, ice hockey is one sport to watch. But to the eager and rugged masochist who would watch it in his old age but is not content to stand at a distance in his prime, the idea is to participate.

This is a few-holds-barred sport whose object is to place a small, rubber disc within the region of the cage-like goal defended by the opposing team. Each team furnishes men, with three forwards (offense), two defensemen, and one more or less stationary goaltender.

The size of the rink may vary slightly, but it usually approximates 80 feet by 200 feet, so that 10 skaters weaving around at 25-30 miles per hour and capable of shooting the disc or "puck" at speeds exceeding 100

miles per hour provide rapid and often spectacular action.

At each end of the hockey rink is a red goal line which forms two "end zones." Two blue lines in the center of the rink further divide it into a central zone and two defensive zones.

Careful observation of the ground rules is essential to the proper conduct of the game. Two major technical violations predominate: offside—To keep the game low scoring but fast, a team is forbidden to send any of its players over the opponents' blue line ahead of the puck. Thus it is illegal to leave a single player at the lonesome end of the ice and then pass to him for an easy goal; icing—Often a team will, in desperation, shoot the puck the length of the ice, that is, from its own defensive zone across the other red line. If the puck is next touched by an opponent, a violation is called. This is to prevent too easy a means of foiling an offensive drive.

Each of these faux pas results in a "faceoff" in the offender's zone. The faceoff is the means by which initial possession of the puck is determined when the referee drops the puck deftly between two opponents (and then heads for cover as the scramble is under way). Until the next whistle, the puck never stops moving.

The three forwards consist of a center, a left wing and a right wing. Their job is to maneuver the puck past the opposing team into the net for a score. It is the task of the defensemen to use any and every means at their disposal to prevent the abominable miscarriage known as a "score" from ever taking place. The purpose of the goaltender or "goalie" (whose life depends upon the efficacy of his defensemen) is obvious; he simply tries to make his net (and himself) impervious to the ravages of flying rubber.

The fundamental manipulations of the puck—i.e., stick handling, passing and shooting—are accomplished with the aid of the game's most simple, rudimentary tool (excluding the MIT player), the stick, or "steek" as the French Canadians enunciate it. However, considered in the overall light of this violent game, the stick (a long, slender, fairly rigid flat-bladed instrument) has a multitude of uses—straightforward, devious, sadistic—but always practical.

To project the issue on a more graphic plane, let us examine the question: How does one team wrest the puck from the other? Let us consider this in the light of the individual defenseman:

Supposing defenseman X, resting in his defensive zone, is suddenly approached by forward Z of the opposing team, deviously and cleverly stick-handling the puck. Defenseman X has the job of stopping Z. His alternatives are many and interesting; he may attempt to steal the puck from Z with a few dazzling manipulations of his own stick, or he may choose to enact a more impressive means of assault; he may, if Z is not careful, converge on Z and flatten him with a savage block, or "body check"; or he could prefer to simply approach the oncoming Z from an angle, guide him gently towards the

side of the rink, and then pulverize him by mangling him against the boards (needless to say, the latter methods are more highly esteemed by the crowd); or he may use his stick as a hatchet and disturb Z by chopping at his stick.

A helpful part of the defense may be performed by the forwards who can prevent the rival offense from getting started with good "forechecking" (checking in the opponents' defensive zone).

With such innumerable opportunities for physical contact, hockey frequently produces little temperamental flareups (specifically, brawls). This is a characteristic of professional players; the more tactful, reserved, subtle college man seldom involves himself in these grotesque rudiments of self expression. It is apparent that these ill-intended outbursts must, in some meaningful way, be discouraged.

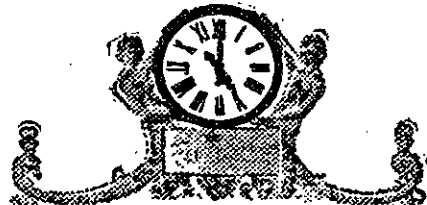
Ice hockey is the sport of the Canadians, and they designed the sport for those individuals, in general, whose nature is not to shun physical contact, but instead to retaliate. While we Americans unhesitatingly banish an athlete for fighting in a team sport, the Canadians would have him merely sent into temporary exile. The site of his exile—the penalty box. There, in full view of all spectators, the vindictive one sits while his mates continue, minus a man. But the true hockey player does not regard these penalties with mortification. Indeed, he wears them as badges of honor. Of course, there are a number of maneuvers, too many to mention here, whose illegal executions result in penalties.

Just a few comments in closing. A game is played in three periods of 20 minutes each (and sometimes overtime periods in case of a tie). Substitution of players is continuous and frequent. Physical condition is supremely important.

Looking Back...

75 Years Ago

A party of eleven Techs drove, in Mr. Cobb's four-in-hand, to Wellesley, Saturday afternoon, taking Lasell Seminary on the way. They were much gratified at the interest shown by the young ladies, especially at the latter place. Mr. La Rose carried off the honors by his choice of selections on the coach-horn, while Mr. Cobb's skillful manipulation of the ribbons was greatly admired.



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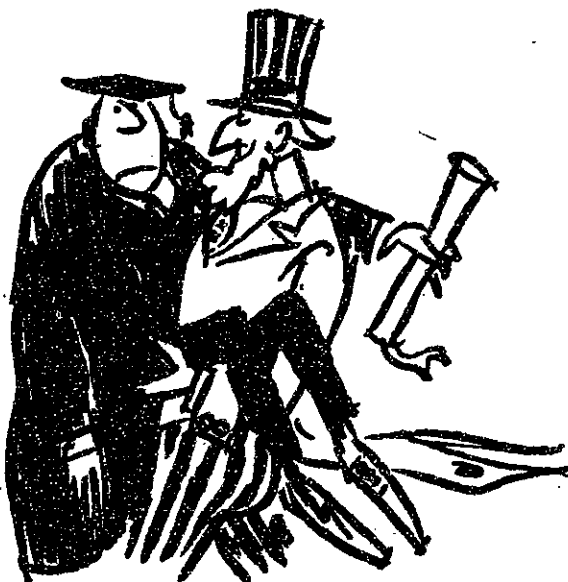
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☐ NO

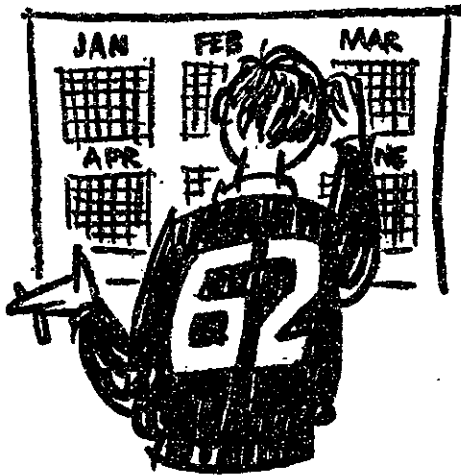
② With an exam coming up...



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☐ or keep a big date and settle for C?

③ How long have you been smoking your present brand?



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No... 70%

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Dave Koch Will Pace Cagers; Barry's Squad Is Experienced

By Howard Ellis '65

With all starters and 11 lettermen returning from last year's squad, Tech's basketball team faces the new season with an unusual degree of depth and experience. Coupling this experience with determination, Coach John Barry hopes to guide his cagers to their second winning season in as many years.

However, Barry has one big obstacle to overcome — lack of height. Only two starters are over six feet tall and the biggest man, Dave Koch, is only 6'4". But it is likely that the strong spirit and aggressiveness displayed by last year's team will well compensate for this drawback.

Koch, now a senior, and captain of the team, was high scorer and top rebounder last year. He averaged 23.5 points a game, sinking 45 per cent of his shots. Playing in all 19 games, he was the big front court man in Tech's flexible 1-3-1 offense.

The other front court man, Tom Burns (6'), is also a senior. Burns was second high man on the squad last year with 12.4 points per game. A strong rebounder and aggressive player, he scored 302 points over the season.

In the backcourt, Barry has four men who played regularly last year. These are Jeff Paarz (5'11"), a junior; Chuck Gamble (5'9"), a senior; Kent Groninger (5'11"), a junior; and Phil Robinson (6'1"), a senior.

Paarz is a good outside shooter. He hit 44 per cent of his shots last year for an average of 12.0 points per game. Gamble, a real hustler, was the chief ball handler. Extremely accurate from the foul line, he sank 73 per cent of his free throw attempts. Groninger and Robinson are also very strong from the foul line. They made 74 per cent and 73 per cent, respectively, of free throw attempts. Groninger played all 19 games, while Robinson, in the cooperative program, was able to play in only 13.

The other lettermen returning this year are George Wyman, Steve Smith, Perry Bray, Bill Bloebaum and Bill Weber. In addition to these, there are a number of promising sophomores who will probably see much action this year.

Tech's schedule is similar to that of past years. Of the 21 games slated, the first nine will be the roughest. Contests with such schools as Trinity, Northeastern University, Wesleyan, U. S. Coast Guard and Harvard will be of crucial importance. Coach Barry figures that if the team can break even over this period, Tech will be well on its way to a very successful season.

BC Law School Plans Discussion Of Law Education And Careers

The nature of the new afternoon session of the Law School Admission Test will be discussed at the Boston College Law School, Brighton, Massachusetts, on Saturday, Nov. 4 at 9:45.

Assistant Dean Malcolm D. Talbott, Rutgers University Law School and chairman, Law School Admission Test Council; Mr. John A. Winterbottom, Director, Law School Admission Test; and Vice Dean Louis A. Toepfer, Harvard Law School, will discuss this test with college upperclassmen and pre-law advisors.

Mr. William A. Geoghegan, Assistant Deputy Attorney General of the United States, will discuss the availability of positions in government for young attorneys.

Subscribe to The Tech

Meet the

Steve



Captains

Banks

By Charlie Smith '63

Cross country is considered to be one of the toughest athletic contests in which to participate. A cross country runner must have determination and be devoted to the sport. Steve Banks '62, captain of this year's MIT cross country team, has this determination and devotion. He has been on four cross country squads and has turned in, a creditable performance.

Banks comes from Bainbridge Island, Washington, near Seattle, where he attended Mercer Island High School. Since Mercer Island did not have a cross country team, he concentrated on playing linebacker in football and running track. He earned a letter in each sport.

Steve is majoring in physics here at MIT. He has been taking Army ROTC also so his time will be well taken care of for the next two years. After his Army service he is planning to attend graduate school. He would like to enter grad school in Industrial Management.

Steve has also been elected as co-captain of this year's track

team. His outside activities include Lambda Chi Alpha, Intramural Council, Athletic Association and T Club.

Sailing is the prime hobby of Banks. He participates in this sport as relaxation during the summer. In 1956, however, he took his sailing seriously. As a member of the Corinthian Yacht Club of Seattle he went to the Junior Championships to compete for the Sears Cup. With Banks' help, the team was able to capture first place in this event.

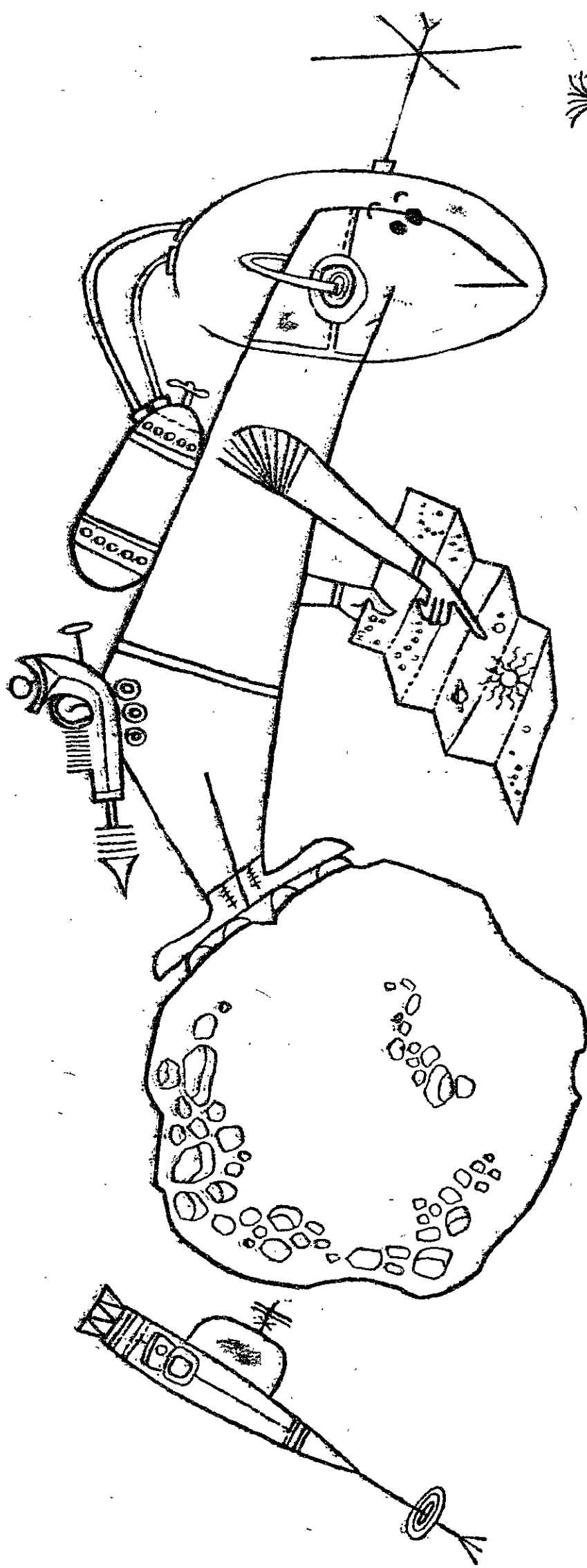
The cross country squad has thus far compiled a 3 and 4 record this fall. Two meets, one with Wesleyan and a triangular meet with Northeastern and Tufts, remain on the schedule. This mediocre record can be attributed to injuries which have occurred throughout the season.

The team is looking forward to two big meets. One is the New England Championships to be held at Franklin Park and

the other is the Eastern Championships. Banks feels that since the NEC is composed of all the teams in the New England area, MIT will finish somewhere around the middle of the pack. On the other hand, he is quite confident about the Eastern Championships. In this event, MIT will be competing with the smaller schools in the area and should therefore place much higher.

As far as track goes, Steve says that the success of the squad depends primarily on the attitude of the sophomores and juniors. The team this year will compete with such teams as Harvard, Boston College and New Hampshire.

Banks would like to stress the importance of having a large turnout for winter track. With a large number of students participating this winter, he feels the team will have a real good season. He would like to especially emphasize that students who have participated in track in high school should come out for the team.



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Soccermen Face Coast Guard Today, West Point Saturday

Springfield Scores 5-1 Upset Over Techmen; BU Easy Victim, 7-2

Springfield's soccermen took an early lead to top Tech 5-1 Saturday. The Tech booters topped Boston University 7-2 last Wednesday, however.

The first half of the BU-MIT game left the Tech soccer team much surprised at the skill of the Terriers. MIT had been able to score only one goal, BU none, in what had been expected to be an easy Tech victory.

Early in the second half BU tied the score, but the Engineers scored a second goal only a few seconds later, and in short time, a third. Coasting too easily on their lead, the MIT defense permitted BU to score a second goal. Coach Batterman made some hasty substitutions, and the refreshed MIT team banged in four more goals to make the final score 7-2.

Mehrabian, Budginas Excel

Two notable performances of the game were those of Bob Mehrabian '64, who scored four of the seven, and the BU left inside, Budginas, who showed remarkable ball control. However, he stood alone on the BU line, and could accomplish little against the MIT defense.

Play Undefeated Springfield

MIT and Springfield, both undefeated in New England, played Saturday morning at Springfield. Both teams realized that the victor had a good chance for the New England championship, and the pregame tension was great.



MIT's Jim Tang '63 struggles to keep his balance after taking the ball away from BU's goalie (falling to ground) in the game last Wednesday. Tang went on to score easily with no defensemen left between him and the goal.

The cheers of the many Springfield fans were rewarded after a few minutes of play by a Springfield goal headed in from five yards out. MIT, anxious to even the score quickly, played excellent soccer, and many times threatened to leave a ball in the Springfield nets, but the defense held well, and Tech was unable to score.

Heading Superb

The Springfield heading was

sporb, and this more than any-fought hard and well, it remained scoreless. The remainder of the game was interrupted by many injuries as MIT tried frantically to even the score, to no avail. Due to a fullback error Springfield scored its fourth goal on a fast break in the third quarter, and in the fourth they scored their fifth goal on a short corner kick.

Towards the end of the game

Mehrabian received a pass all alone in front of the Springfield goal and easily made Tech's only score. The game ended 5-1, Tech's first league defeat of the year.

The soccer team plays two more games this year, one away at the Coast Guard Academy today, and one this Saturday afternoon against West Point. MIT has never beaten West Point.

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